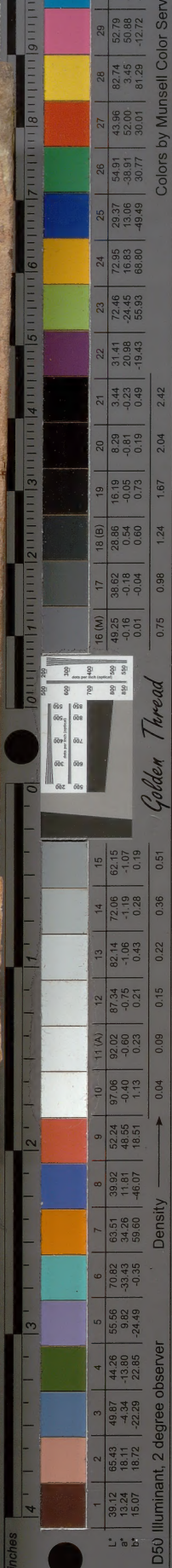


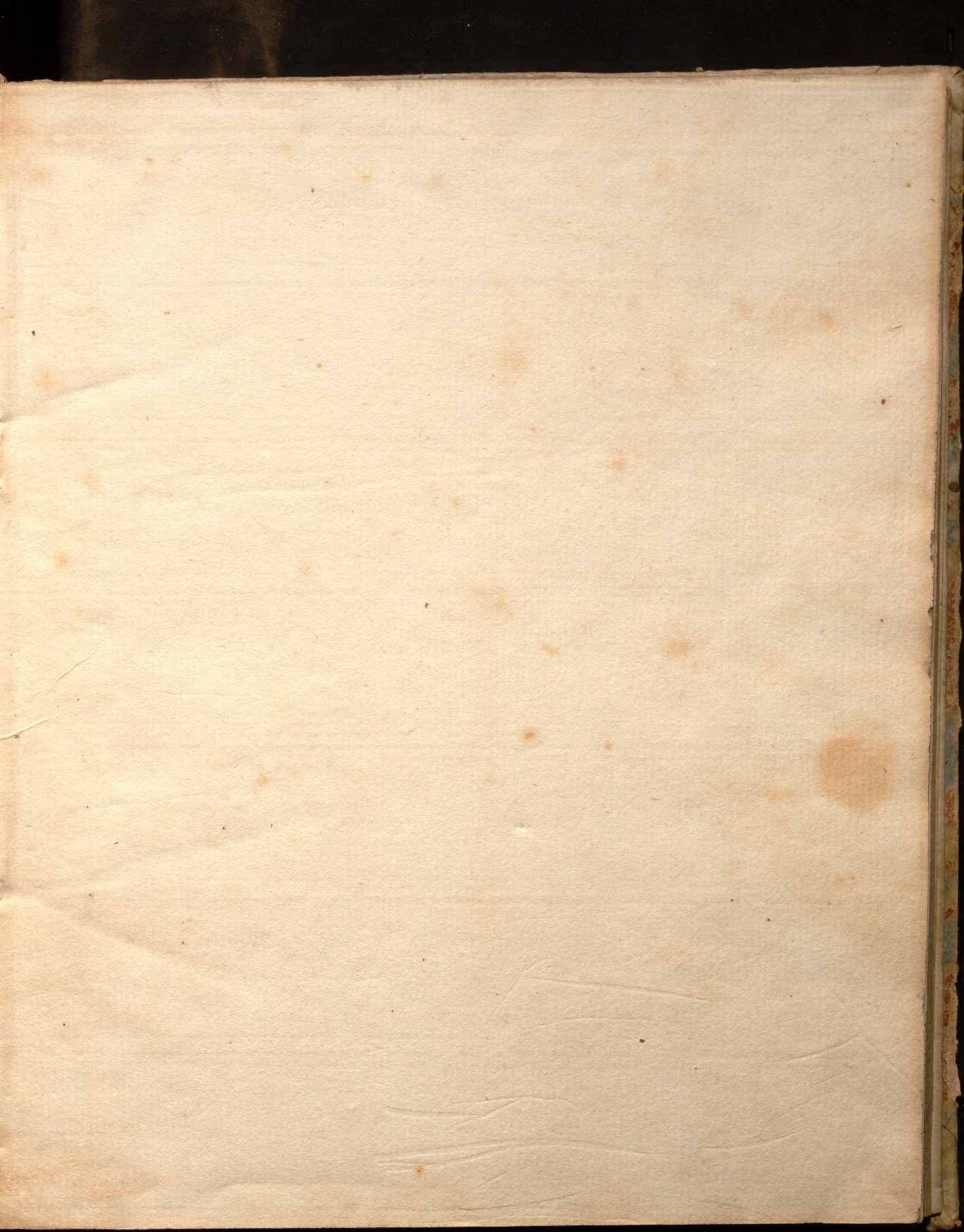
Copy of Will of James Logan who
was lost at sea in 1804

Will I mention his Estate.

*ESTATE of
JAMES LOGAN.*



2/c



inches 4 3 2 1 0

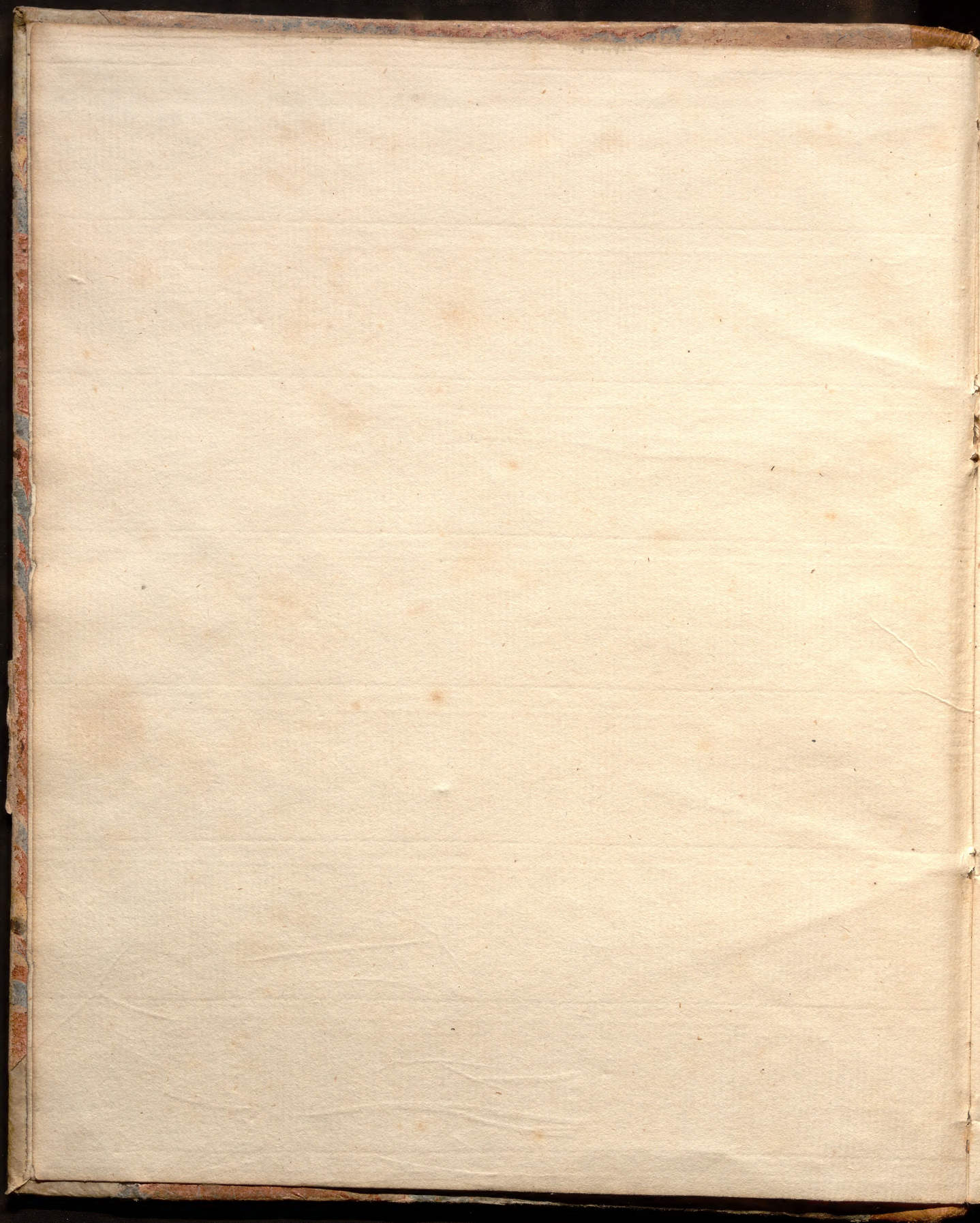
Golden Thread

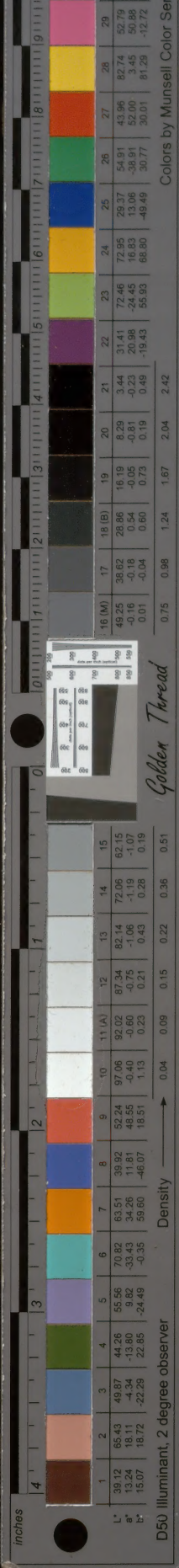
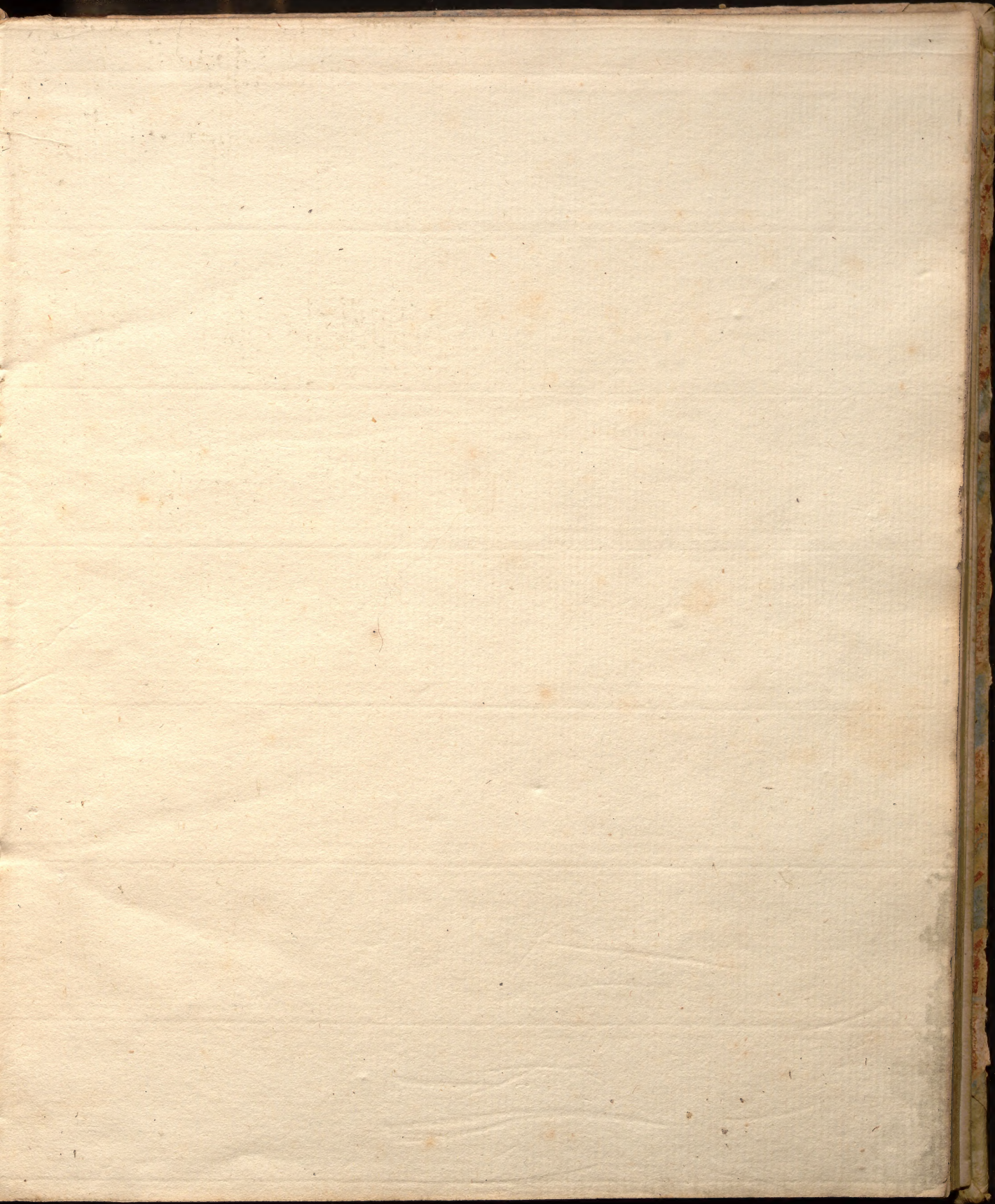
D50 Illuminant, 2 degree observer

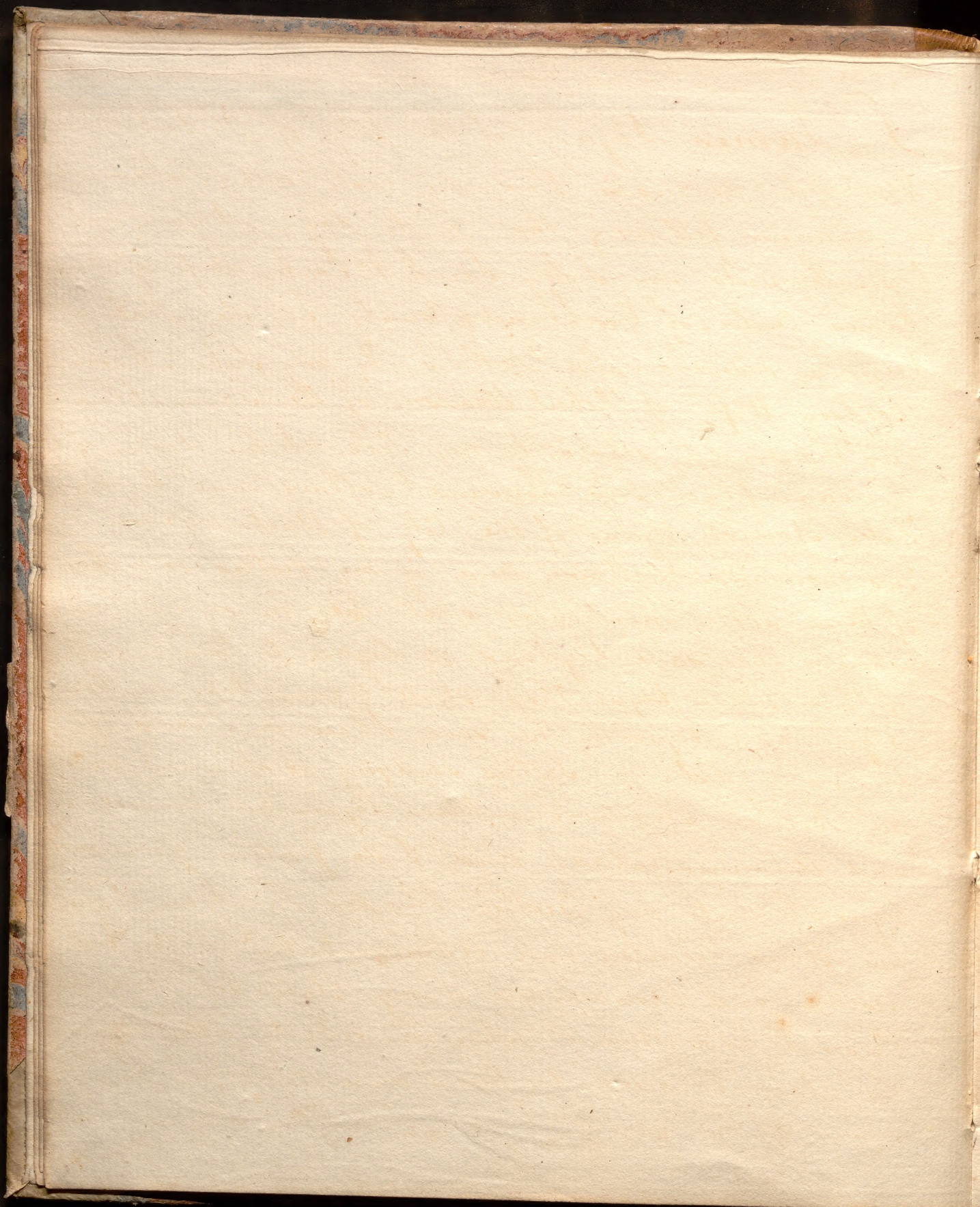
	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

Colors by Munsell Color Services

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	18.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72
Density	0.75	0.98	1.24	1.67	2.04	2.42								







1

I James Logan of the City of Philadelphia Merchant, do make this my last Will & Testament, in manner following that is to say, I give and bequeath unto my Sister Sarah P. Carter Wife of Doctor James Carter of Goochland County in the State of Virginia Two thousand Dollars, to my Sister Maria Woodson Wife of Robert Woodson of the same place Two thousand Dollars, to my Sister Julia Logan of the same place Two thousand Dollars, and to my Sister Harriet Logan of the City of Philadelphia Two thousand Dollars, And if my Sisters or either of them above mentioned shall die in my life time, whereby the said Legacies or Legacy to them or either of them above bequeathed shall become lapsed, then I give and bequeath the said Share or Shares of the said Sister or Sisters so dying as aforesaid unto my Brother Charles Franklin Logan his Executors and Administrators, And I do further give and bequeath unto my Brother Charles Franklin Logan his Heirs, Executors and Administrators all the Rest, Residue and Remainder of my Estate both Real & Personal and Mixed wherever situate, after Paying the above Legacies, to have and to hold the same to the said Charles Franklin Logan his Heirs

2

Heirs and assigns for ever. And I do hereby nominate
 constitute and appoint Thomas Fisher, Samuel Pleasant
 and George Logan Executors of this my will. In
 Witness whereof I have herunto set my Hand and
 Seal this ~~ann~~ day of ~~ann~~ in the Year of our Lord
 one thousand eight hundred and four ~~ann~~

Signed Sealed published & declared
 by the said James Logan as for his } Jas. Logan (L.S.)
 last will and Testament in the }
 presence of us ~~ann~~

Wm McShenny Jr.

James Pleasant

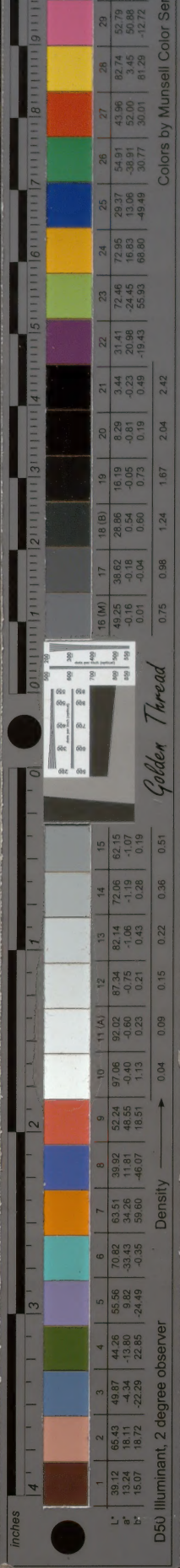
Philadelphia April 29th 1805. Then personally
 appeared William McShenny Jr. and James Pleasant
 the witnesses to the foregoing will the former on oath &
 the latter on his solemn affirmation did declare and
 say that they saw and heard James Logan the
 Testator sign seal and publish and declare the same
 as and for his last will and Testament and at the
 doing thereof he was of sound Mind memory and
 understanding to the best of their knowledge and
 belief.

Coram Charles Swift Register

Inventory of the Goods & Chattels of James
Logan Son of Charles Logan dec^d. the former lost
at sea the 24 day of 7th Month 1804 at 12 p.m. 19. 66

1 Liquor Can & contents	\$ 15	✓
1 Quadrant	8	✓
1 Microscope	1 40	✓
2 Powder flasks	80	✓
17 bottles Port Wine	3	✓
1 pair Gloves	20	✓
1 Bedstead Mattress & Drawers	20	✓
Books Contg 2 1/5 Vols	112 64	✓
Lot Pamphlets & 34 Copper plates	6 50	✓
17 pair Pantaloon	8	✓
18 Tickets	18	✓
11 Waistcoats	9	✓
15 pair Drawers	8	✓
60 Shirts	90	✓
1 Suit Curtains	2	✓
37 Cravats	14	✓
8 Wkfs	2	✓
4 Pillow Case	1 50	✓
2 Pair Pantaloon	5	✓
1 pair Satin Breeches	3	✓
2 Roundabouts	5	✓
9 silk Wkfs	2	✓
10 Roundabouts	10	✓
4 Caps	50	✓

Carried forward \$ 365 34



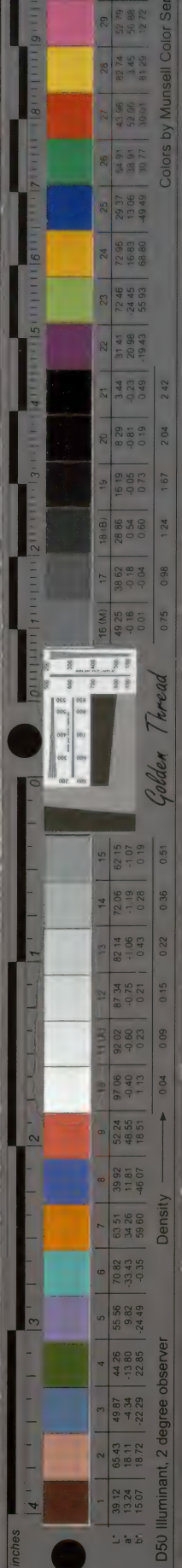
Brought forward		\$ 365	34
1 Coverlet		1	"
13 pair Pantaloon		12	"
9 pair Cotton hose		2	"
10 pair Cotton socks		1	"
9 pair Gloves		1	50
5 pair silk hose		4	"
15 Napkins		2	"
2 Hk			60
5 Coats		12	"
2 pair breeches		3	"
1 flute		5	"
1 Hooker & box		6	"
1 portable Writing Desk		2	"
1 Shot bag & 2 horn tumblers		1	"
1 Canister Powder, shot & ball		1	"
2 Cases Razors & shaving boxes		1	"
1 pair Spectacles		1	"
6 pair Gaiters & 6 pair shoes		4	"
1 suit Chintz Curtains		4	"
2 Trunks		2	"
1 tool Chest		12	"
2 Charts		1	"
1 small Jack & brush			50
Lot fishing tackle		2	"
Saddle bag & Portmanteau		3	"
3 pair Drawers		1	"
13 Cravats		4	"
2 silk Hk		1	"

Carr'd forward \$ 455 94

Brought forward		\$ 455 94	5
1 Square Cravat	1		
2 pair hose		50	
2 Hkfs of 1 Cravat	1		
Books	1		
Hudibras		30	
1 trunk	1	50	
1 Spy Glass	1		
Mathematical Instruments	1		
Shaving Apparatus	1	50	
Clothed brush & looking Glass	1		
1 Portable Desk	6		
2 Waistcoats	1	60	
7 Pillow Cases	3		
8 Sheets	7		
6 Towels		80	
11 Hkfs	2	80	
1 Great Coat	4		
2 pair trousers, Pantaloon, breeches	2	70	
2 Jackets	1		
3 pair Wooden hose		50	
2 blankets	2		
Remnant Check		10	
12 Muslin shirts	24		
1 pair Pantaloon		80	
a Hat	1		
		\$ 529 04	

Nett Proceeds of the Above Articles by } 566 57
 John Connollys Act. Sales

Carried forward,



Bro^r forwards

\$ 566 57

The following Articles were Appraised
 but we find the Executors have
 reversed them for the Legacies

1 Gold Watch	\$100.00	
1 Gold Chain & three Seals	40.00	
J Carter 6 Silver table Spoons	11.00	p ^r m
1 Segar pipe	25	
2 Silver Cans	50.00	
J Carter 1 pair gold Sleeve buttons, 2 pair silver	3.00	p ^r m
Knee buckles		
1 Breast pin	2.00	
	\$209 25	209 25
Cash found in J Logan trunk		1 06

Transferred to Page 11 m

\$776 88

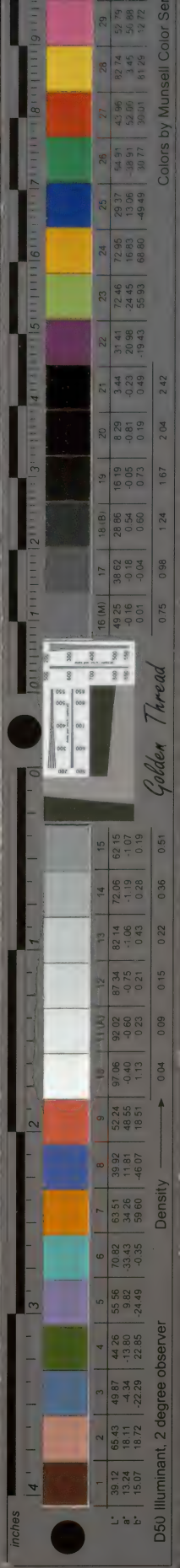
The Gold Watch
 Chain & Seals
 Segar Pipe
 2 Silver Cans
 1 Breast Pin

Were delivered to D^r Logan for our Nephew Charles

7

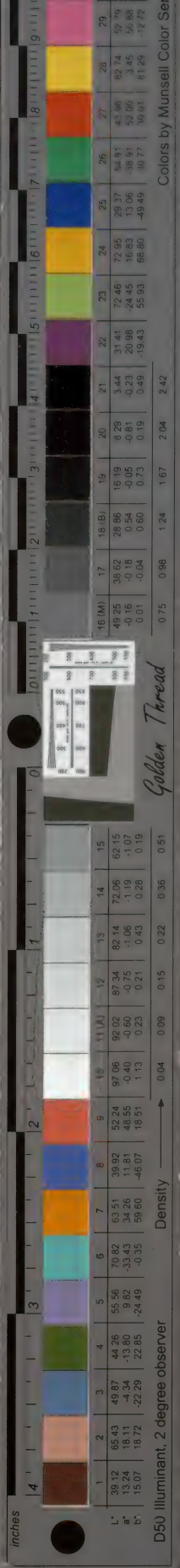
Catalogue of Books belonging to the Estate of
James Logan dec, Appraised 11th Month 1805 -
amt. as per Inventory Page 13.

Folio		
Baileys Dictionary		\$ 3
Dictionary of Arts 3 Vols		6
Rapines History of England 5 Vols		10
Compleat body of Husbandry		1 50
Quarto		
Colnells voyage		50
Voyage to the Levant		75
War in India		1
Pitts Virgil		1
Priestlys on Electricity		1 25
History of New York		80
Caribbeanas 2 Vols		1 60
Marine Dictionary		80
Fergusons Astronomy		1 25
Newtons discoveries		1
Fergusons Lectures		1 25
Bougainvilles Voyage		1 25
Fosters Travels		1 50
Octavo		
Blackstones Commentaries 4 Vols		4
Reflector		75
Parks Travels		50
Linneaus voyage		50
Car ^d forwards		\$ 140 20



Post forwarded	\$ 40	20
Appeal to Common Sense		67
American Navigator		60
Survey of Russian Empire		60
Fothergill's Journal		60
Woolstoncraft's Letters		50
Cyrus Travels, 2 Vols		80
Carver's Travels		50
Paine's Remonstrance		80
Review of Con st of Pennsylvania		60
Fuller on Deism		40
Bartram's Travels		80
Heister's Anatomy		110
Wapell's Berlin 2 Vols		80
Remarks of French & English Ladies		110
Shellock's Discourses		50
Select Ways		50
Meditations by F.A. Kempis		80
Defence of American Constitution		110
Marshall on Insurance 2 Vols	1	20
Laws of U.S. States 3 Vols	1	50
Asiatic Annual Register 2 Vols		80
Volney's Travels 2 Vols	1	67
Gentleman's Magazine 2 Vols	1	~
Review Magazine 4 Vols	1	~
Life of Catherine 2	2	~
History of London 3 Vols	1	50
Can ^d forwarded	\$ 61	24

Bot. forward	\$ 61	9 54
Voyage to North America 2 Vol,	1	20
Lucretius		20
Journal of S. Guel		60
Voyage to the East Indies		60
J. Churchmans Journal		40
Charlevoix Travels 2 Vol,	1	20
Gibsons Farmers Guide		40
Cassars Commentaries		20
Ellis Voyage		20
Bollingbrookes Philosophy		30
Antiquities of Rome		40
History of Peter the great 2 Vol,		70
History of Cicero in Old age		30
Goughs History of the Quakers 3 Vol,	2	40
French Dictionary		80
Oriental Navigator		80
Letters of a British Spy		25
Travelling Anecdotes		30
History of Kuly Khan		35
Law of Partnership		30
Dampiers Voyage 4 Vol,	2	25
Hales on Ventilation		50
Ferguson tables		60
Eulers letters		40
General Counting House by Gordons		30
Watts of the Passions		25
Newtons Optics		54
Canid forward	\$ 77	



Prot. forward	\$ 77	54
Pleasures of Imagination		30
Letters of Gallantry &c		20
History of the Popes		50
Practical Discourse on Death		25
Smith on Distilling		20

Duodecimo

The Groundling 4 Vols	1	5
Penitent 2 vols		50
Life of a Reformed Magdalen 2 Vols		110
Adventures of Telemachus french		20
Fashionable Tell Tale 2 vols		40
British Nepot		50
Effusions of friendship 2 Vols		60
Roderick Random 2 vols		60
Fairquhar work 2 vols		80
French Revolution 2 vols		60
Alphonso's Letters		20
Universal Spectator 11 vols	1	60
Joseph Andrews 2 vols		80
The Batavian 2 vols		75
Collection of Poems 6 vols	1	80
Minshel		30
Prisons of Paris		25
Willicins Letters 2 vols		50
Something New 2 Vols		50
Chrysalis 11 Vols	1	20

Carried forward \$ 92 49

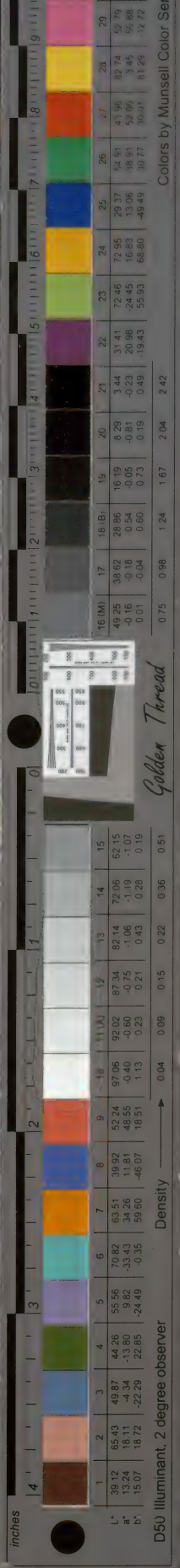
		11
Bret. forward,	\$ 92	49
Vade Mecum 2 Vol,		40
Leonard & Gertrude		30
Fletcher's Alphabet		20
Every Man his Own Gardener		25
Montagues letters		20
Himmelman on Solitude		15
Yoricks Journal 2 Vol,		50
British Moralist 2 Vol,		30
Salmons Dispersatory		20
Sermon to apes		20
Essay on Trade		20
Charles Granclison 7 Vol,	7	10
Classical Dictionary 2 Vol,		75
Female foundling 2 Vol,		60
two Latin books		10
Montagues letters 3 Vol,		75
Solymann & Almenna		25
Life of S. Jay		25
Algerine Captive 2 Vol,		70
Hard's tablet		20
Arthur Mervin 2 Vol,		80
Jemmy Jessamy		75
Woman of Honour 3 Vol,		75
Webb on Painting		25
Lucy Watson		30
Views of Nature		50
C. forward	\$ 104	44



Walpole's	Spot. forward	\$ 104	44
Maule's Elements			30
Private life of the Romans			40
Pantheon			25
Diddis Poems			30
Farmers Boy			40
Letters of Curtius			20
Harrison's Cookery			20
Cowper's tasks			25
Agnes			25
2 French Grammars			50
Ferrens French exercises			20
Young Men's best Companions			25
Grammatical Exercises 2 Vols			20
Kevin's Royal			10
Telemanche's			15
French tables			20
Greek Grammar			10
Holy Bible			60
Juliet Granville 2 vols			20
History of 5 Indian Nations			10
Lucile's Elements Latin			15
Elements of Geography			
Letters of Abolander			30
Latins Dictionary			40
English Agnes			30
Carried forward		\$ 110	94

Prot. forwards
 Valentine 3 Orsons
 2 Vols
 Amt. of Books as per Inventory
 245 Vols.

13
 \$110 94
 20
 1 50
 \$112 64



1914

PP

Amount brot. from Page 611

\$ 776 88

21 bales Merchandise imported in
the Shih Penn. Packet from
Calcutta amt. of Invoice per Receipts 7001. 4

at 50 Cents . . . 3500. 62½

1 package & 14 bales do of same ship
amt. to Star Pagoda 2441. 33. 60

at 1 Doll. 90 Cents . . . 4639. 33

Appraised Philad. 4 Month 1805 8139 95½

John B. Wilson
Jno Roberts

\$ 8916 83½

15

inches

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	52.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.45	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	0.04 0.09 0.15 0.22 0.36 0.51														

D50 Illuminant, 2 degree observer



Golden Thread

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	92.74	52.79
a*	-0.16	-0.18	-0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72
Density	0.75	0.98	1.24	1.67	2.04	2.42								

Colors by Munsell Color Services

16 Dr Estate of James Logan Jr (deceased) in

1803				
July	27	To my note for prem ^m of ins. ^{con} on Good Ship Monticello \$7000 & 5/2 of C ^t & policy \$1	276	"
Sept	7	To Cash lent him	20	"
	20	To do do	20	"
Dec	23	To do paid	100	"
	27	To Notes Receivable for Mr Folwells Note	2285	45
1804				
Jan	19	To Cash for dr ^t on Baltimore	2000	"
Feb	22	To do remitted him in do	7000	"
"	29	To do do do	2000	"
Mar	30	To do for Baltimore Notes	2500	"
June	5	To Cash paid his bond at Custom House	131	"
Aug	9	To " " " Military Potrage	9	63
Sept	11	To " " " his bond at Cust ^m House	132	"
1805				
Mar	30	To Storage 3 Boxes Borax from 9 Sept 1803	1	75
Sept	9	To Balance from Ac ^t herewith	137	44
Dr			16613	27

a/c with Jos^{ph} Fisher Cⁿ 17

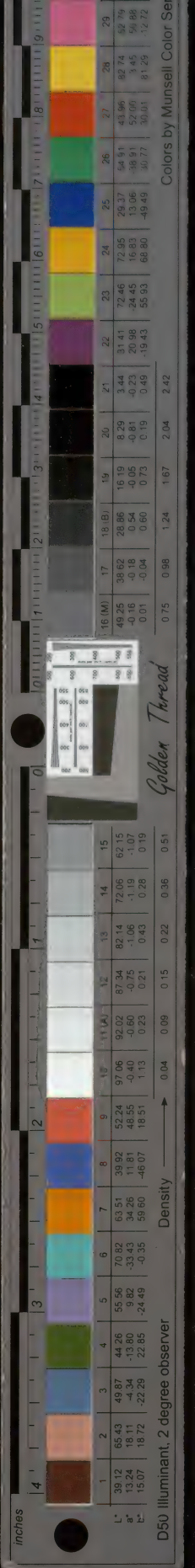
1803				
Nov-	4	By Cash received	1000	"
Dec-	27	By do do	1200	"
"	"	By interest on 1784	24	7
1804				
Jan	26	By Cash received	2002	66
March	10	By do	250	"
"	21	By do do	224	72
"	30	By do do	2500	"
May	7	By his draft on J. Smith & Son	131	"
July	10	By Cash shipped on my Acc ^t		
"	"	in dollars on board Ship Penn-		
"	"	sylvania Packet	9000	"
Sept-	5	By his draft on J. Smith & Son	132	"
1805				
Mar-	31	By Cash rec ^d for sale of 3 Boxes		
		Borax 1063 lb Nett @ 14 Cts	148	82

Errors Excepted

\$ 16613 27

Philadelphia 9 Sep^r 1805

Joshua Fisher



Account Sales of Merchandise received
 of Ship Pennsylvania Packet John Carson
 Commander from Calcutta and Madras and
 sold on Act of Estate of James Logan M^r. Dees^r. Vice

PP 15.385.51 100.79.488.20 172.632.478. 799.798.688 489.519.270 729.753.761 776.778.	Twenty One Bales of Calcutta Goods Sold for Nett	\$	5512	04
PP 52.58 M 64.65 74. 33. 18.31.32 41.42.49 77.78.	Five Bales of Madras goods and 2 pieces Book Muslin & One Bale of Madras Goods sold for Nett.		2447	03
	Eight Bales of de-do & 10 pc. book Muslin. Sold for Nett		3909	26
Charges			11868	33
Duties on the above ...			1370.55	
do — on Quadrant &c ...			10.20	
Bonds permits & Entries ...			1.90	
Portage & Hoisting ...			11.59	
Storage ...			5.	
deduction Allowed for one bale				
Checks much damaged ...			82.87	
deduction for 1 lb. Ventapaulum short			6.60	
My Com ^d on \$ 11868.33/100 @ 2 1/2 %			296.71	
Excep?	Philad Sept 9. 1805 Joshua Fisher Des		1785	42
			10082	91

Copy of a Receipt & Agreement

Received May 2nd 1804 of Charles Rogers seven hundred Dollars which Sum I am to take for him to Calcutta or Madras and invest in goods. Which goods I engage shall yield him at least ~~twelve~~ 12 Cent clear profit in Philadelphia after all expences & Insurance are deducted. If said Adventure should not yield twelve Cent. I bind myself Heirs, Executors &c. to make up the deficiency

Signed Sealed & delivered
in the presence of
Samuel S. Carman
Abraham Carlile

Jas Logan (seal)

Philad.^a Decemb^r. 9th 1805. I hereby assign all my right of the above to George Howel or order

Charles Rogers

20th Estate of James Logan Junr (deceased)
(respecting goods)

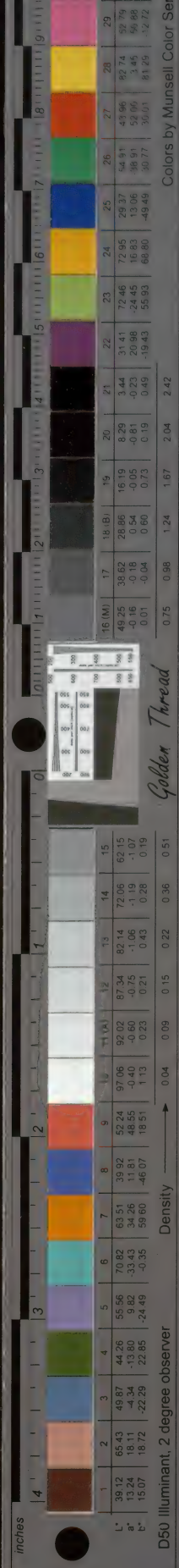
1804				
May	5	To my Note for premium of Ins ^{en} on goods on board Ship Penns ^a Packet \$ 7822. 8 1/2 p ^t . & policy \$1	665	87
Aug ^t	7	To Cash paid D ^r Logan	750	"
	28	To - de - - de Tho ^s Fisher	2000	"
Sept	9	To - de - - de - - - - -	968	77
		To Notes Receivable for		
		J. C. Jones the 6 Mo ^s 15 July - 3319. 75		
		" " " " 27 May - 2148. 65		
		M ^r F. dwell " 20 June - 367. 31	5835	71
			\$ 10220	35

in $\frac{1}{2}$ with Joshua Fisher . . . L²¹
 received per Penns^a Packet

Sept 9	By Nett amount of Sales	10082	91
	Here with		
	By Balance	137	44
		\$ 10220	35

Errors Excip^d Philadelphia September 9th 1805

Joshua Fisher



22^o Dr James Logan in Acc. Current

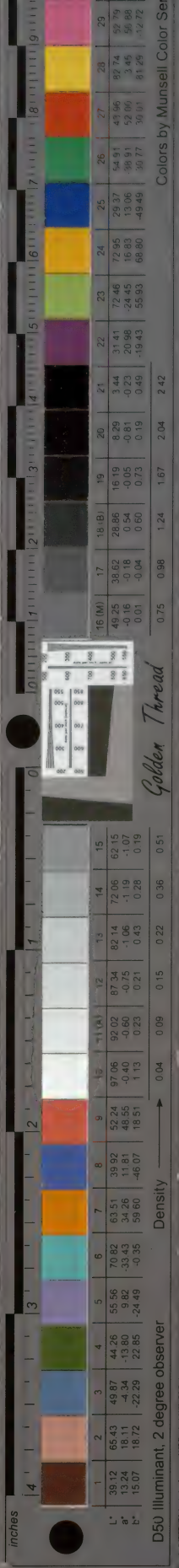
1804				
4 Mo	20	To Notes payable	2000	"
9 Mo	4	Balance of Interest at herewith ..	33	79
		dollars	2033	79
		To Balance due Mr. Folwell ~	- 32	75
		E. Excip. Philad. 9 Months 1804 ~		

William Holwell

Cr 23

1804					
4 Ma	20	By Sales James Logan Junr	1190	88	
9 Ma	3	By do - Hewith	870	16	
		Balance	32	75	
		dollars	2033	79	

for Wm Holwell
Jr. Ashburner Jr.



24 In Page 19 for *Agnum*.

Estate of James Logan deceased -

Sum shipped Per Ship Pennsylvania Packet \$ 8000

produce of per sales . . . \$10082.91

premium of insurance . . . 665.87

9417.04

\$ 1417.04

as \$8000 produces \$1417.04/100 - \$100 produces - \$17 7 1/100 -

on \$700 is \$123.97/100 equal to \$17 7 1/100 per ct.

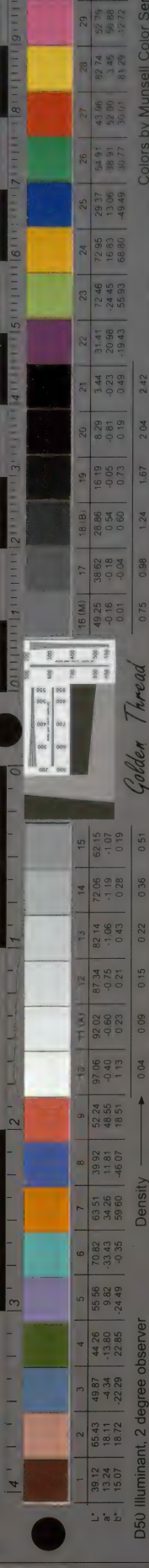
Rec^d Dec^r 9th 1805 of Tho^s Fisher Eight hun
dred & twenty three Dollars 97/100 being in full
for Shipment by Jas Logan as in statement above

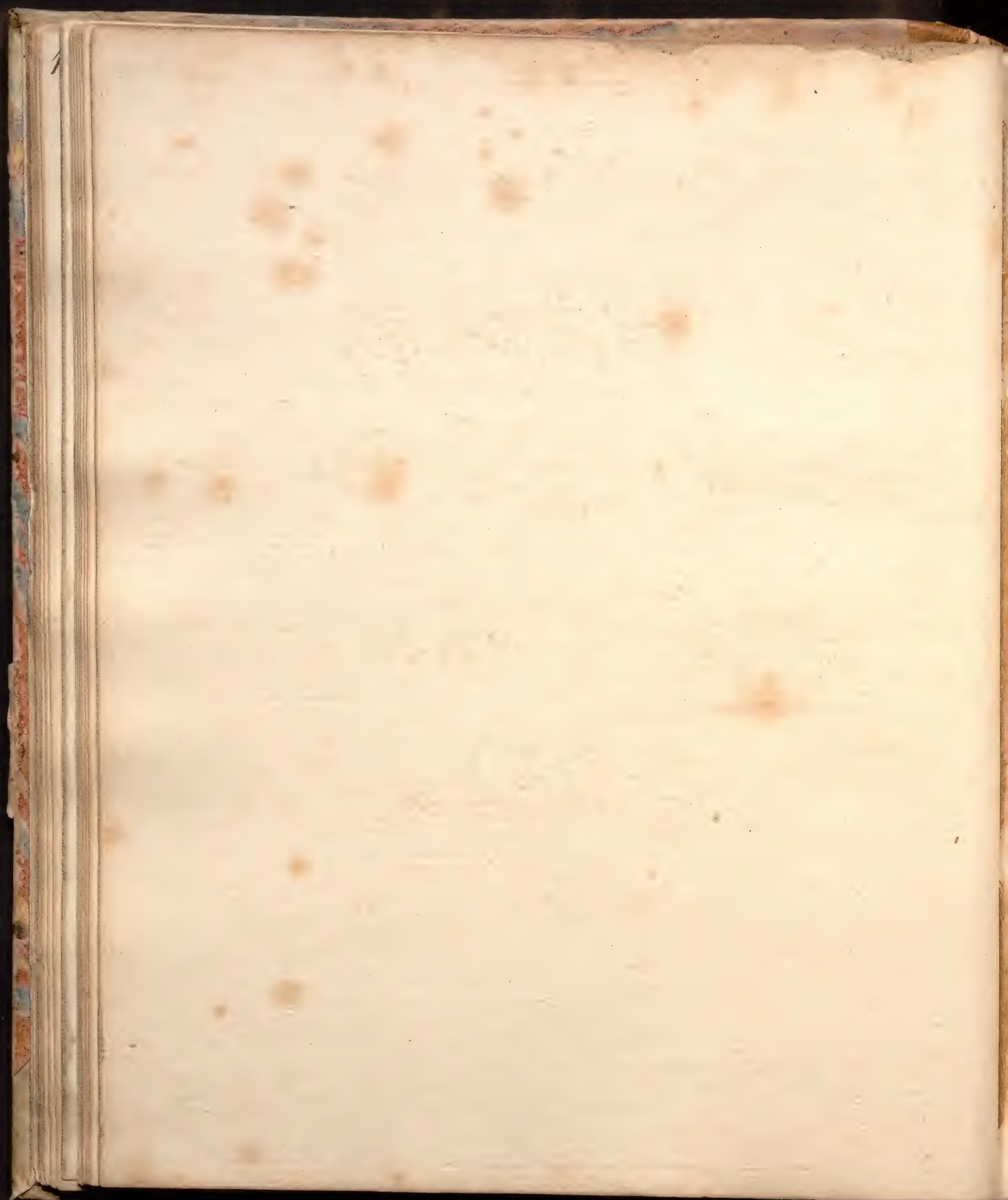
\$ 823 97/100

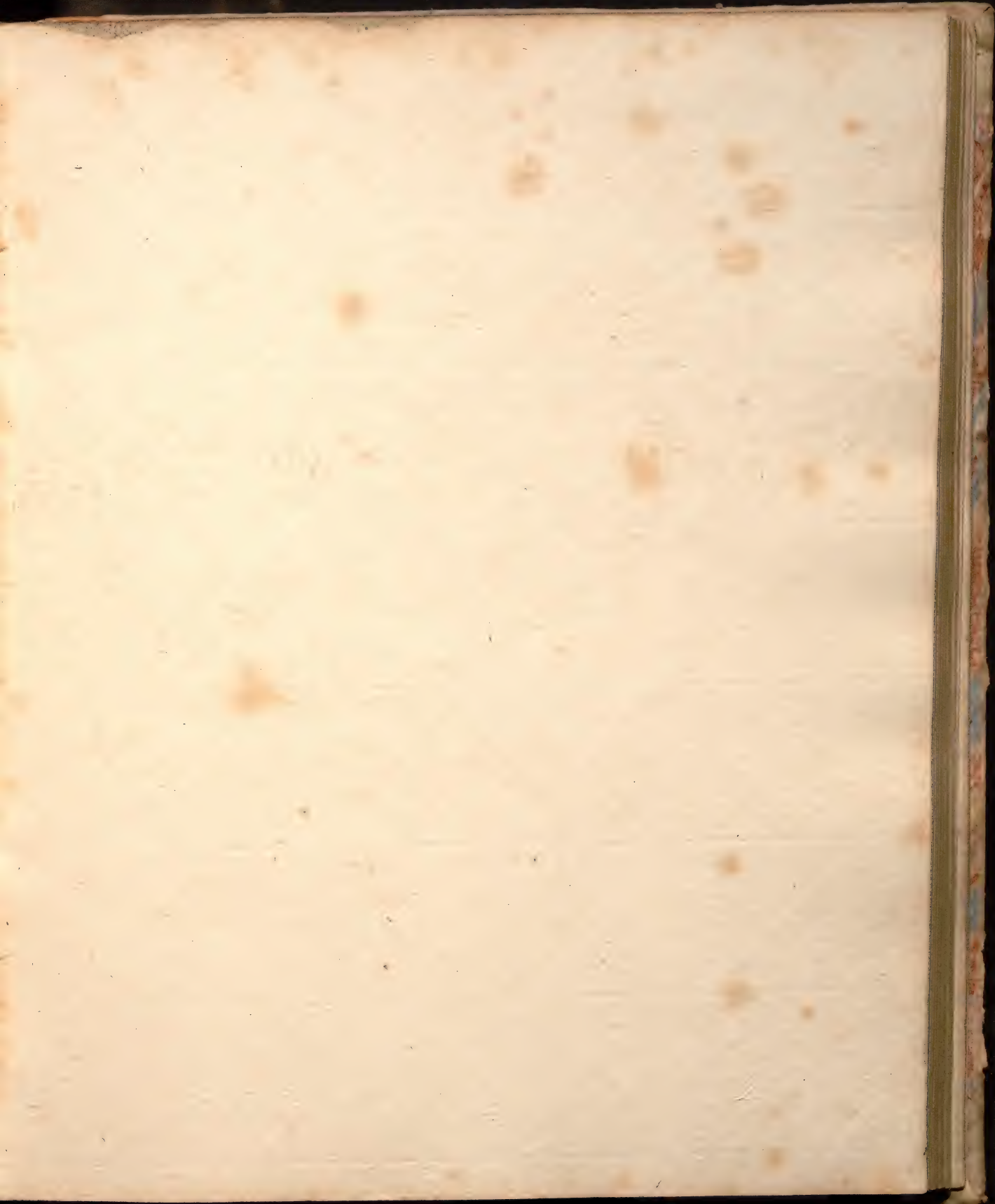
George Howell

25

inches







inches

4 3 2 1 0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

D50 Illuminant, 2 degree observer

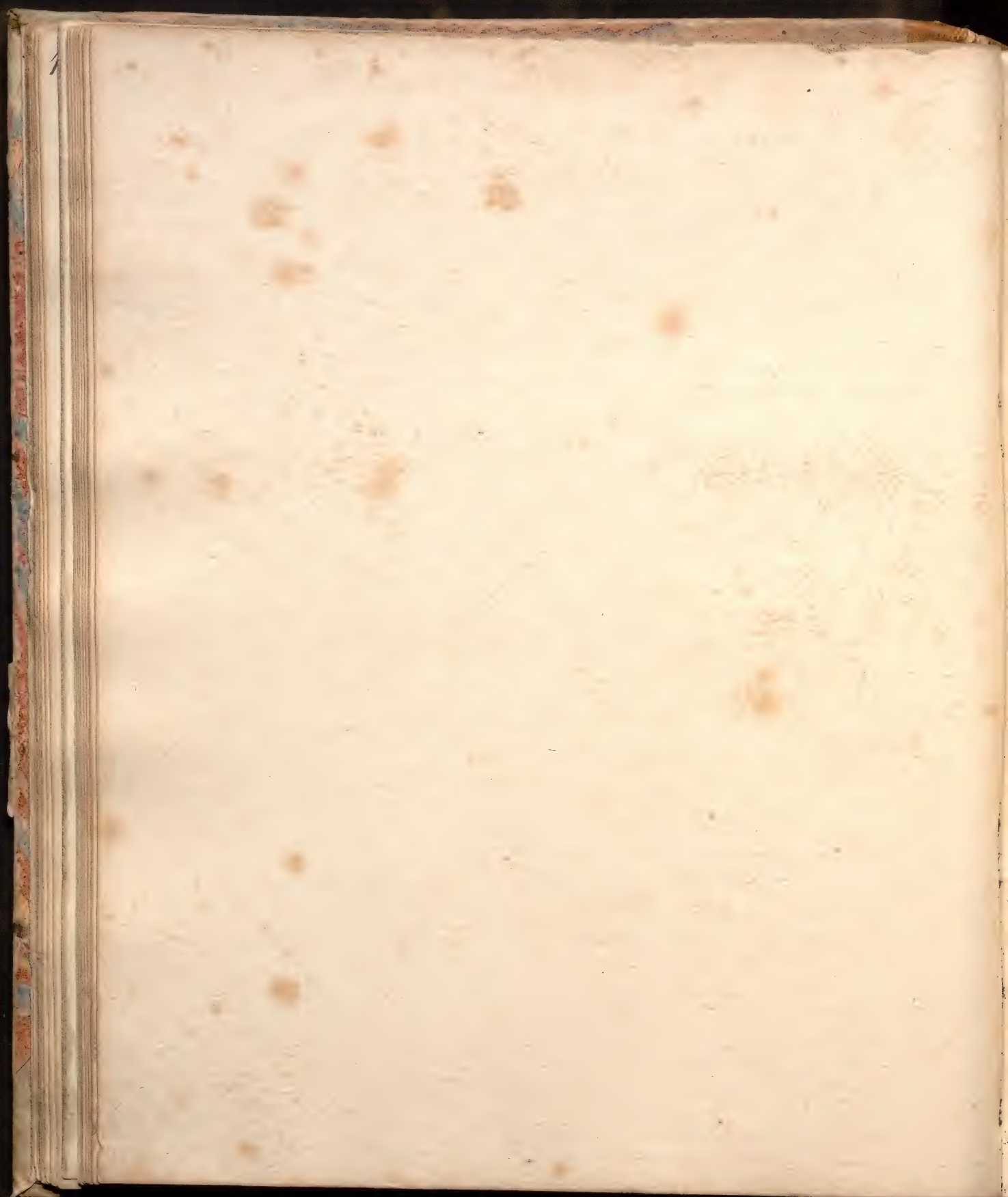
Density → 0.04 0.09 0.15 0.22 0.36 0.51

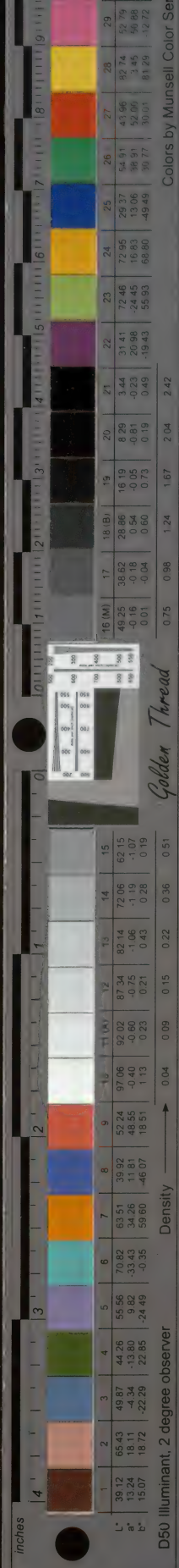
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

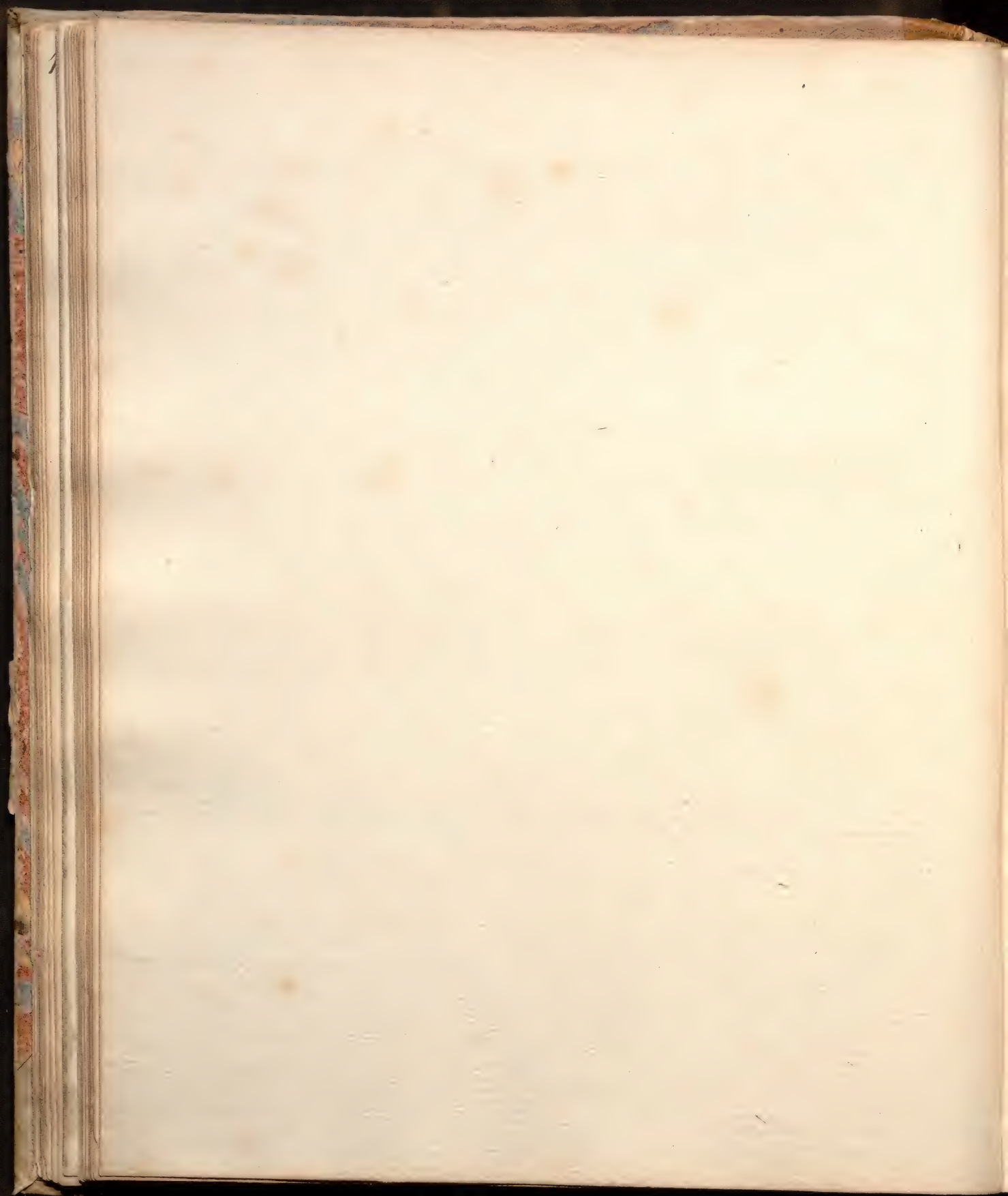
Golden Thread

Colors by Munsell Color Services

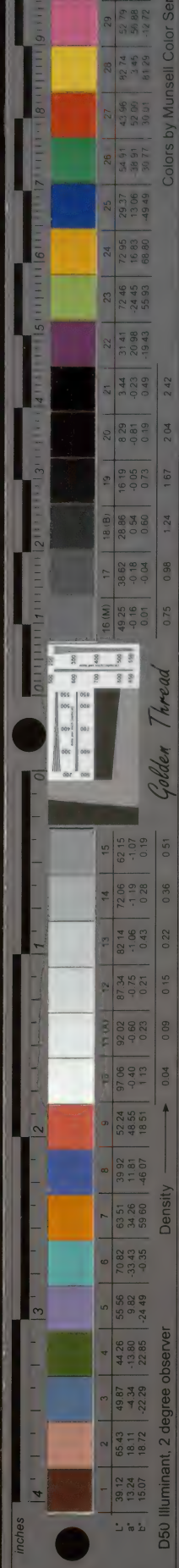
	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	38.91	52.00	3.46	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	19.43	55.93	66.80	49.49	82.74	52.00	81.29	52.72















inches

0 1 2 3 4

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-40.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

D50 Illuminant, 2 degree observer

Density → 0.04 0.09 0.15 0.22 0.36 0.51

Golden Thread

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	38.91	52.00	3.46	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	19.43	55.93	68.80	49.49	20.71	30.01	81.29	12.72

Colors by Munsell Color Services





Inches

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	0.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

D50 Illuminant, 2 degree observer



Golden Thread

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	38.91	52.00	3.45	52.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

Colors by Munsell Color Services





inches

4 3 2 1 0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	-34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	0.23	0.21	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

D50 Illuminant, 2 degree observer

Golden Thread

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	48.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72
Density	0.75	0.98	1.24	1.67	2.04	2.42								

Colors by Munsell Color Services





inches

4 3 2 1 0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	0.23	0.21	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

D50 Illuminant, 2 degree observer

Golden Thread

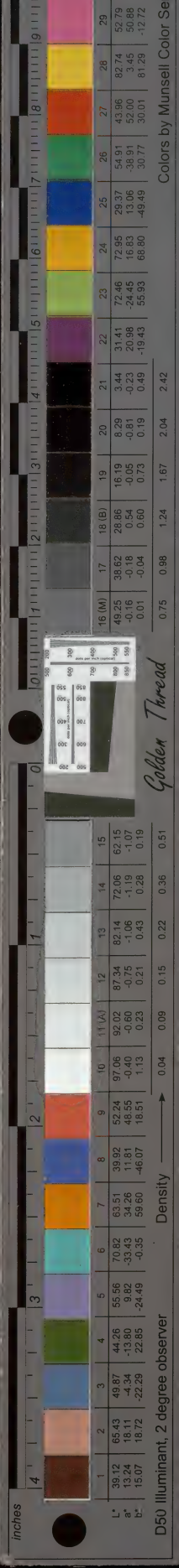
16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	38.91	52.00	3.45	56.68
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72
Density	0.75	0.98	1.24	1.67	2.04	2.42								

Colors by Munsell Color Services











Inches



1
2
3
4
5
6
7
8
9
10
11(A)
12
13
14
15

L*

a*

b*

D50 Illuminant, 2 degree observer

Density

0.04 0.09 0.15 0.22 0.36 0.51



0

1

2

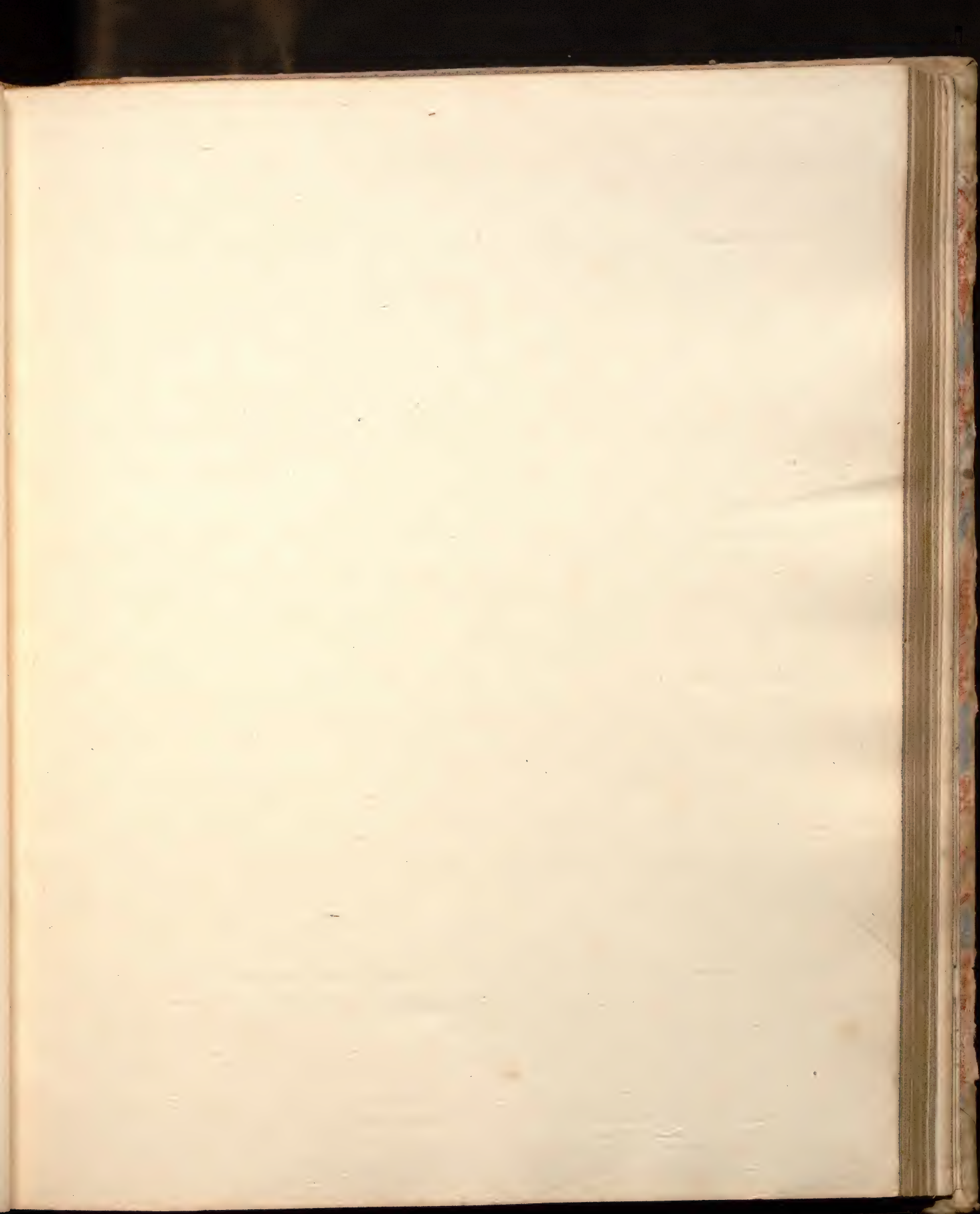
3

Golden Thread

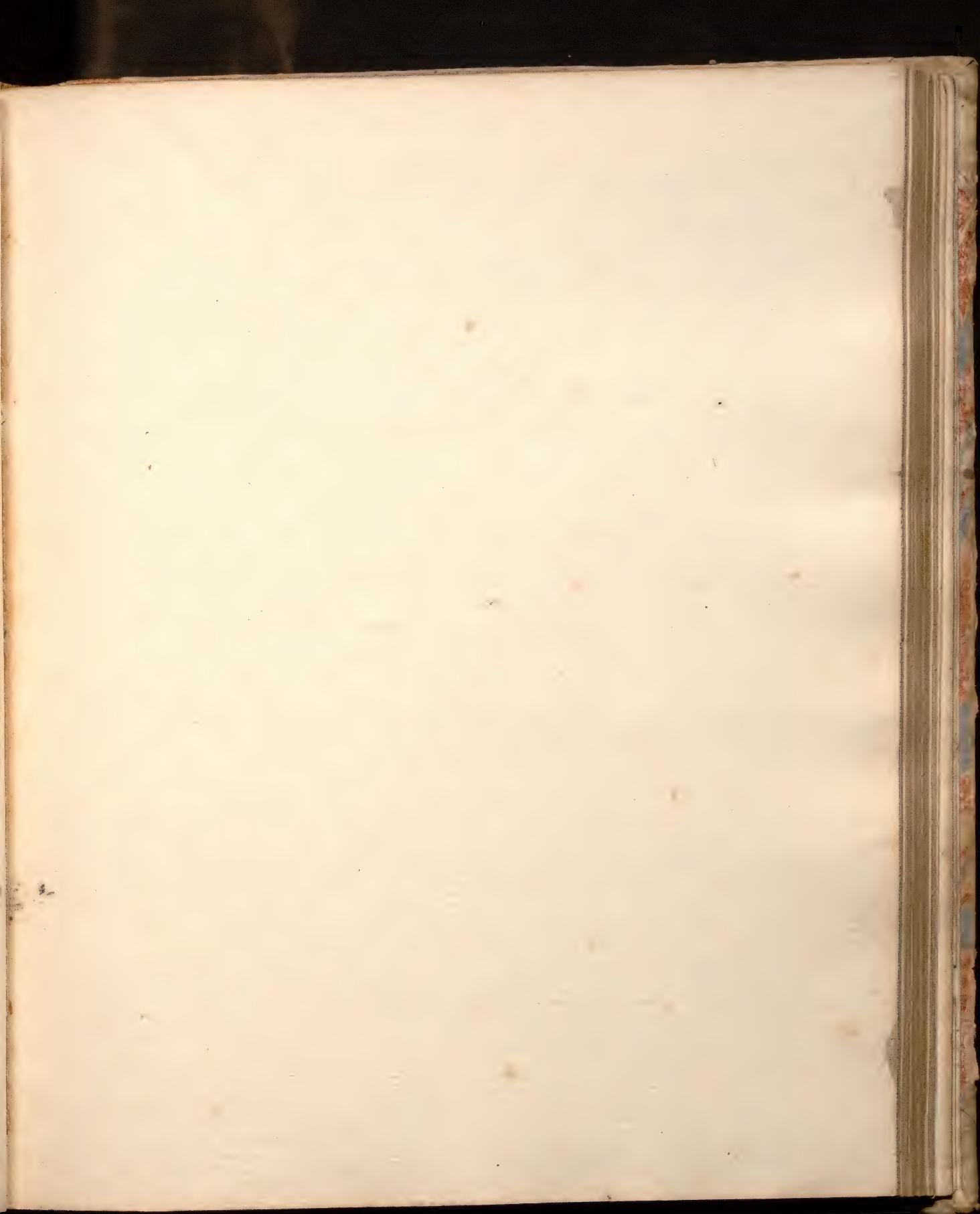
0.75 0.98 1.24 1.67 2.04 2.42

Colors by Munsell Color Services













Inches

4

3

2

1

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

L*

a*

b*

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

39.12

13.24

15.07

65.43

18.11

18.72

49.87

-4.34

-22.29

44.26

-13.80

22.85

55.56

9.62

-24.49

70.82

-33.43

-0.35

63.51

34.26

59.60

39.92

11.81

-46.07

52.24

48.55

18.51

97.06

92.02

-0.40

1.13

0.23

0.09

0.15

62.15

-1.07

0.19

82.14

-1.06

0.43

87.34

-0.75

0.21

92.02

-0.60

0.23

0.09

0.15

0.22

0.36

0.51

62.15

-1.07

0.19

82.14

-1.06

0.43

87.34

-0.75

0.21

92.02

-0.60

0.23

0.09

0.15

0.22

0.36

0.51

D50 Illuminant, 2 degree observer

Density

0.04

0.09

0.15

0.22

0.36

0.51

0.75

0.98

1.24

1.67

2.04

2.42

2.80

3.18

3.56

3.94

4.32

4.70

5.08

5.46

5.84

6.22

6.60

6.98

7.36

7.74

8.12

8.50

8.88

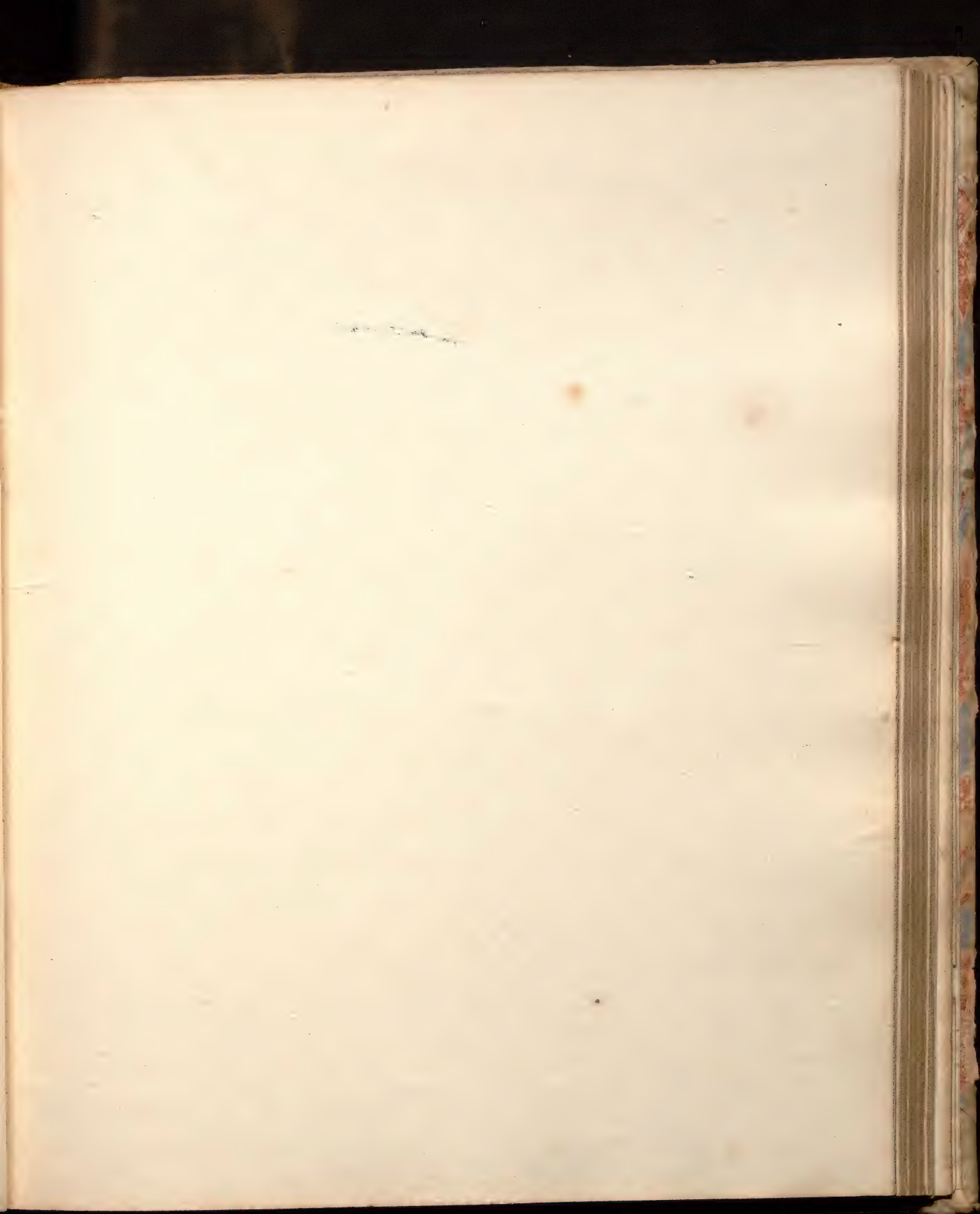
9.26

9.64

10.02

Colors by Munsell Color Services



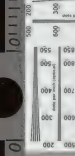


Inches



	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19
Density										0.04	0.09	0.15	0.22	0.36	0.51

D50 Illuminant, 2 degree observer

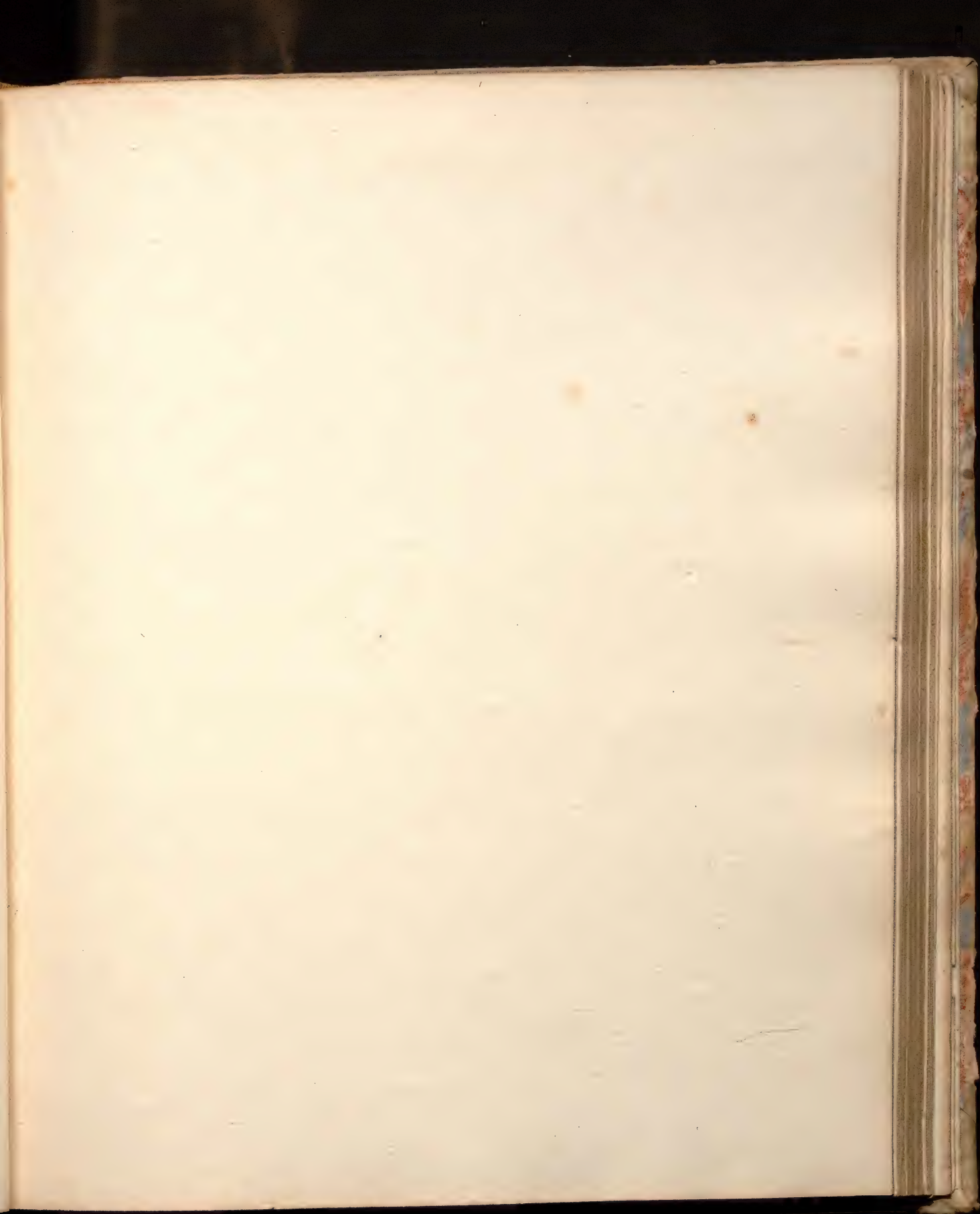


	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

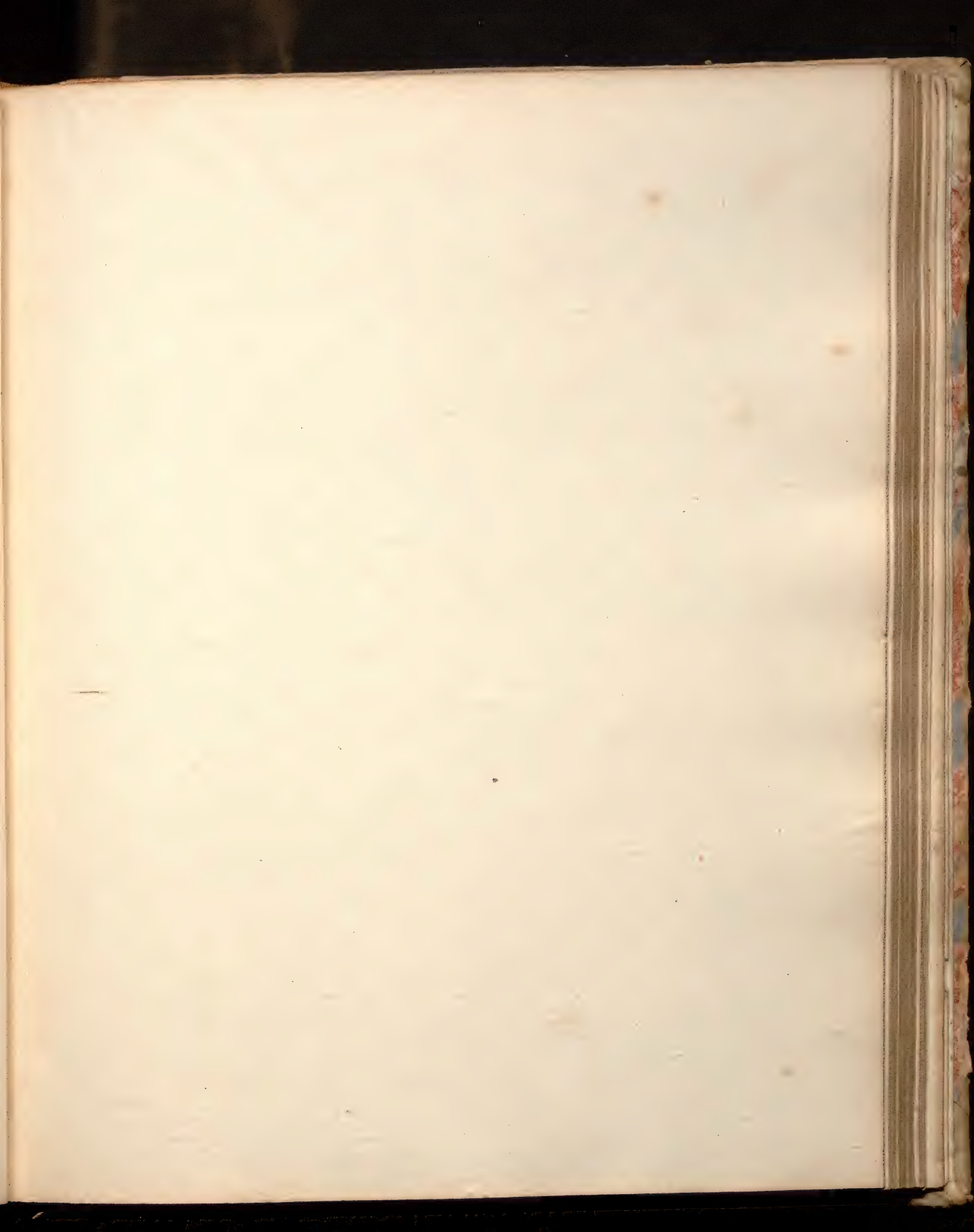
Golden Thread

Colors by Munsell Color Services

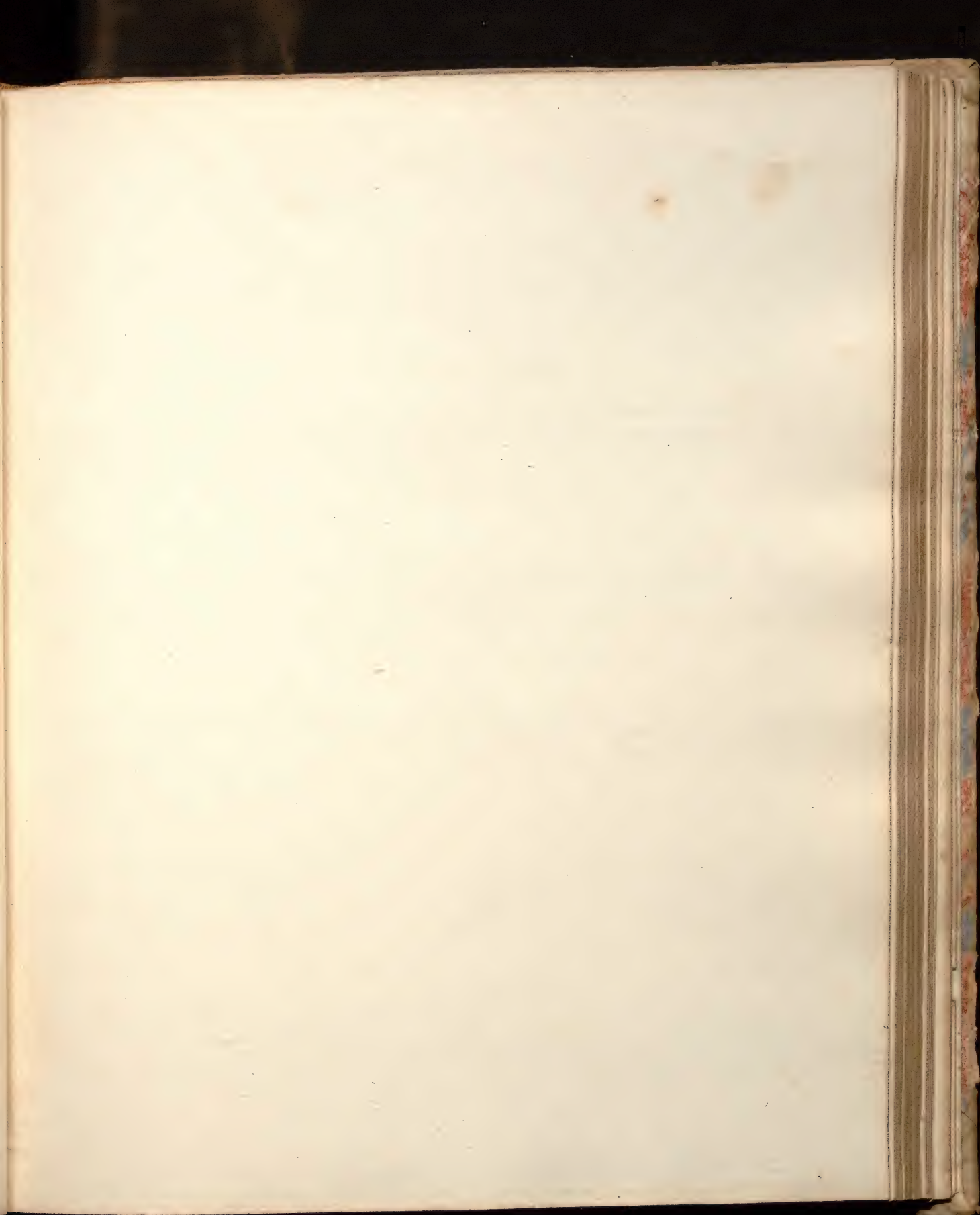






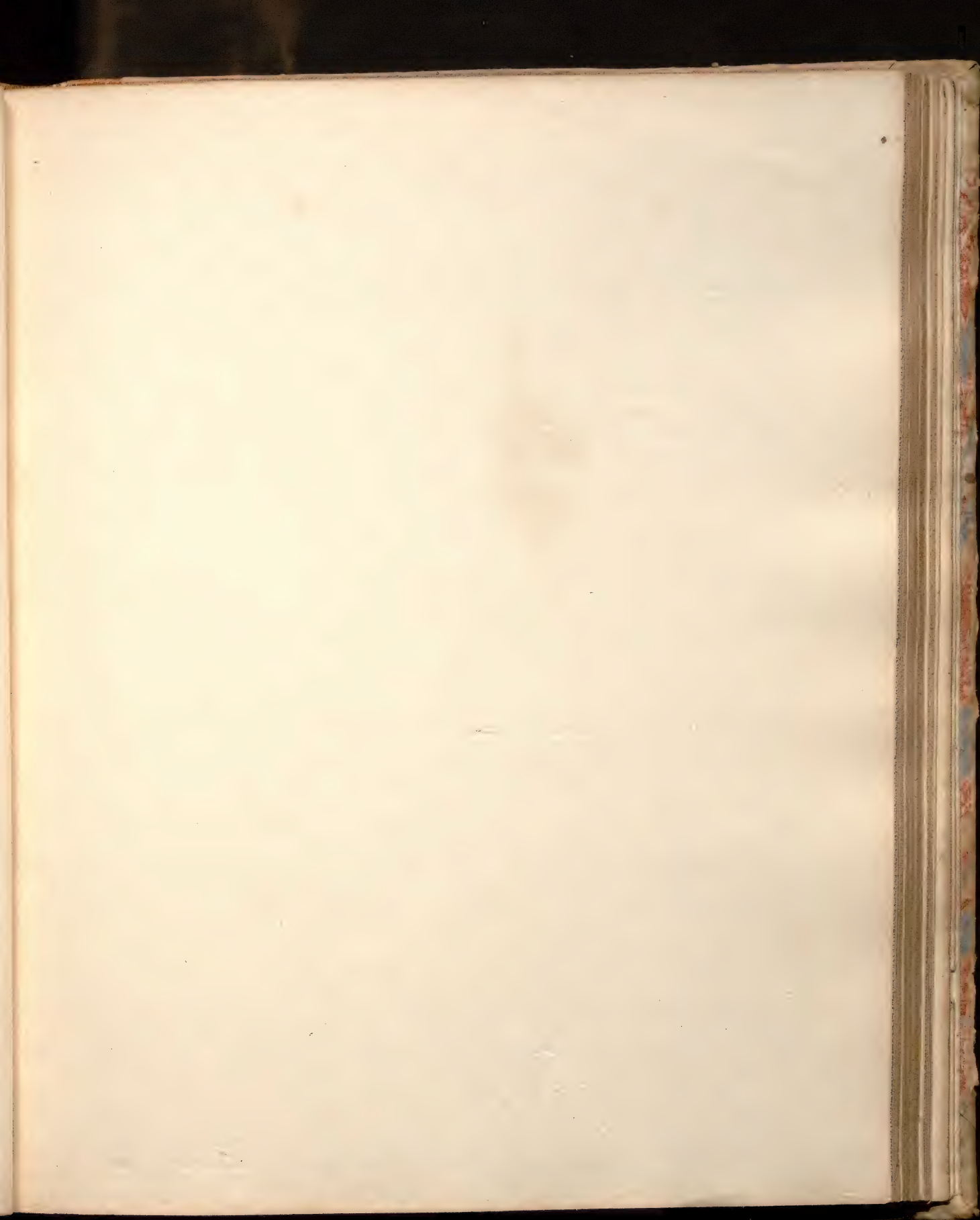




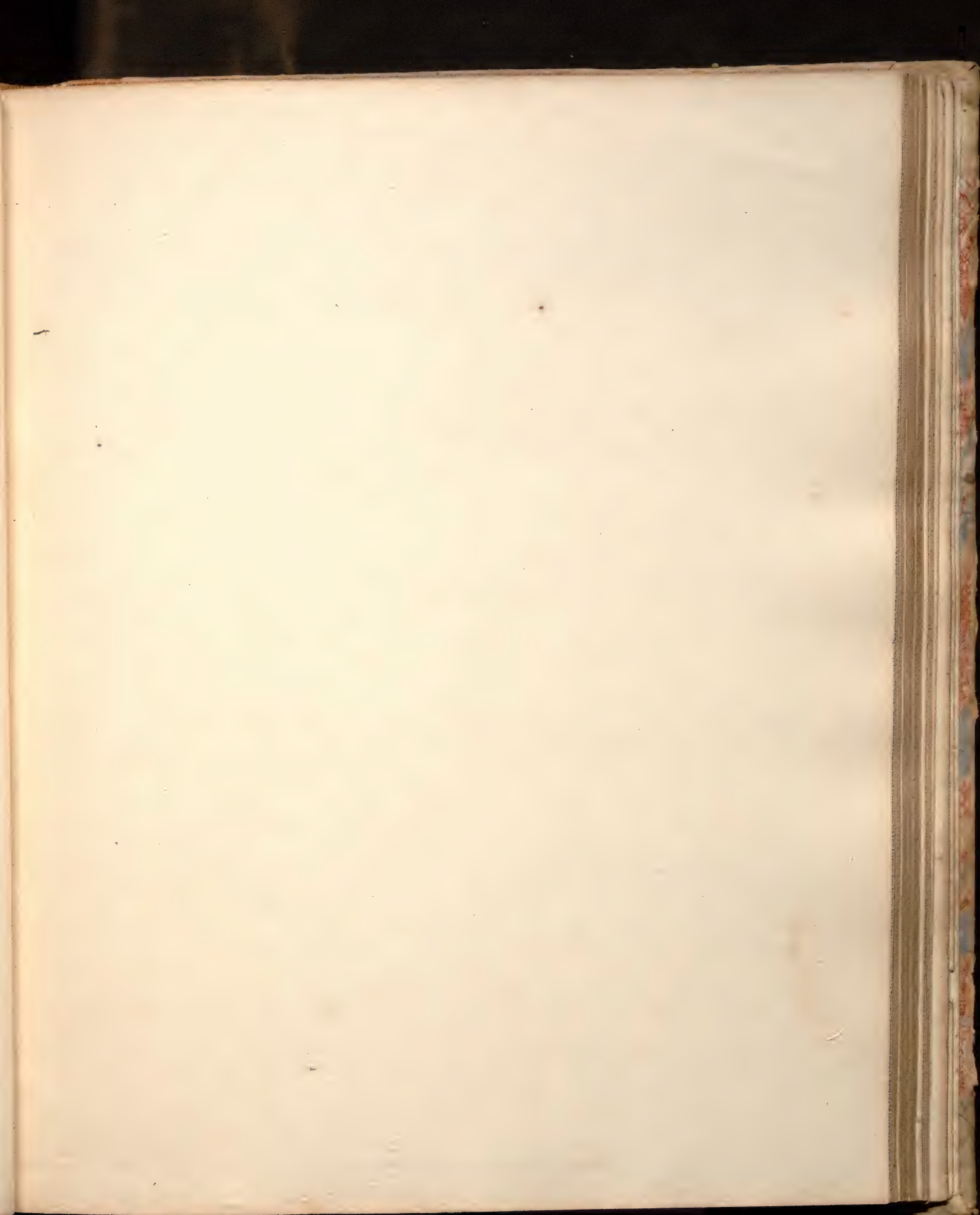




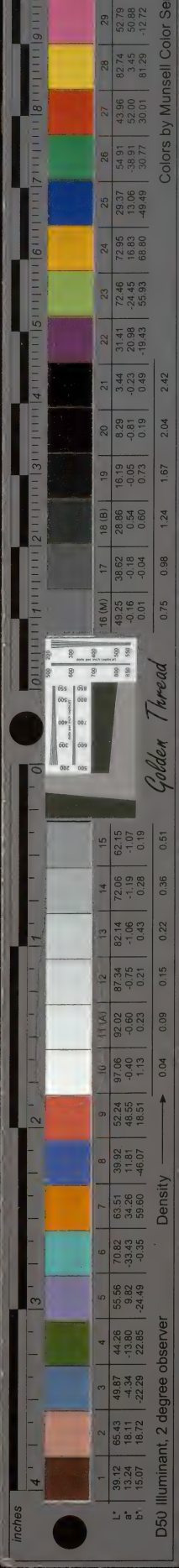
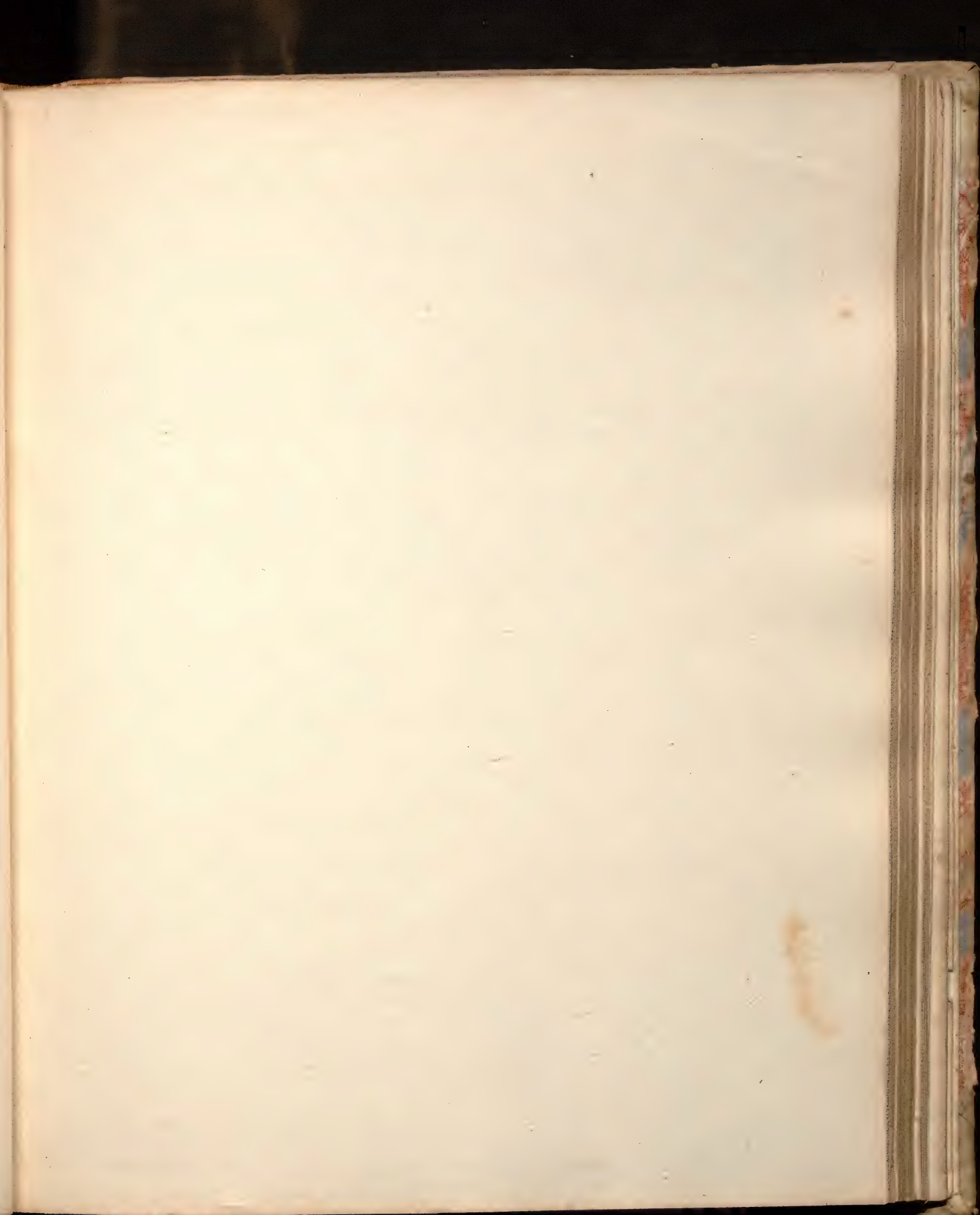












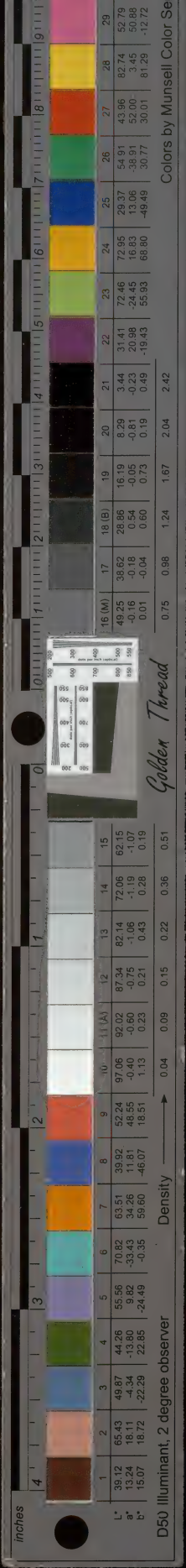




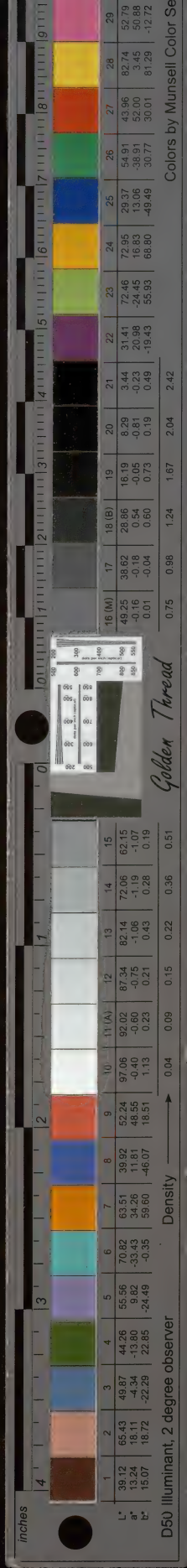


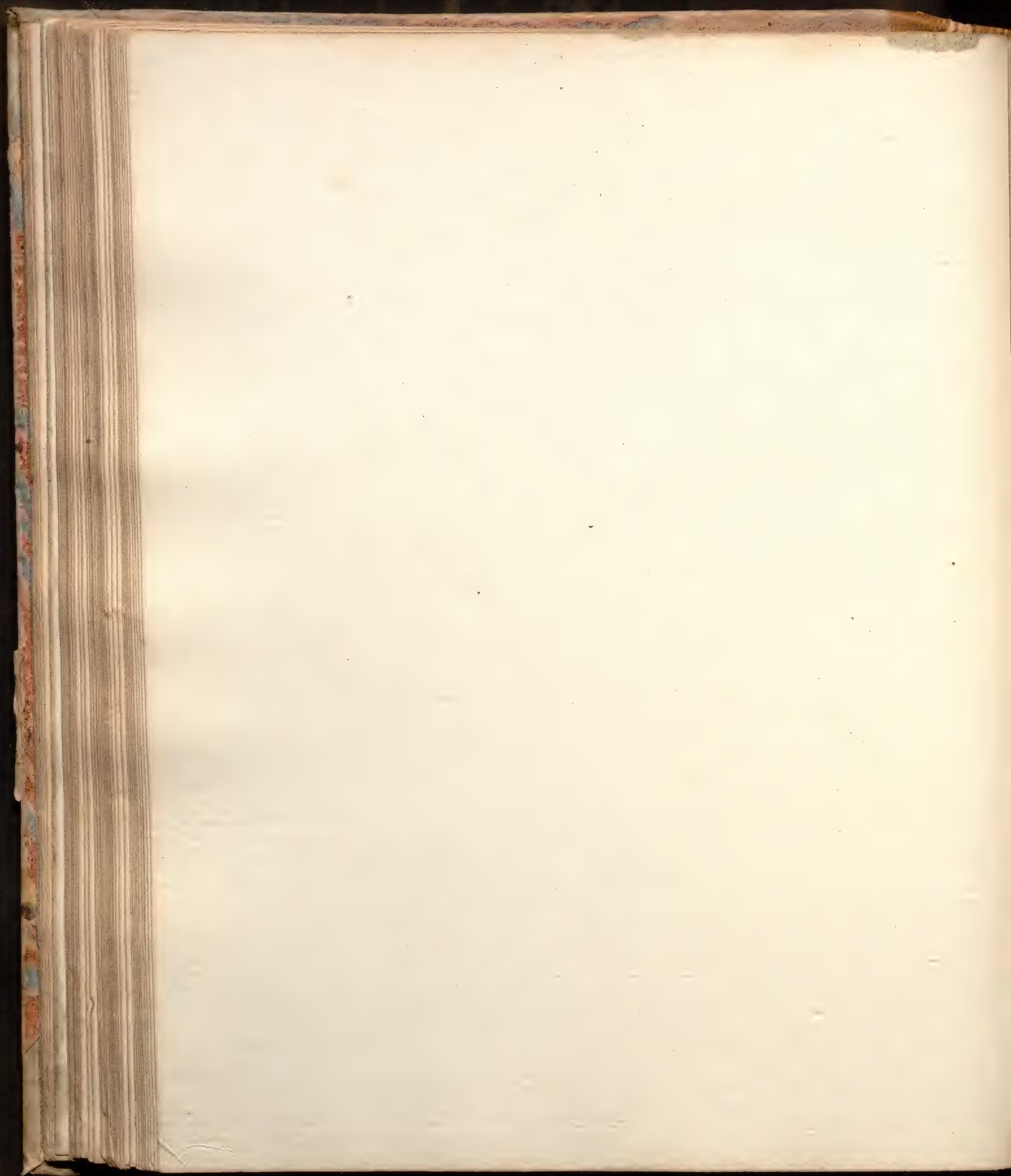


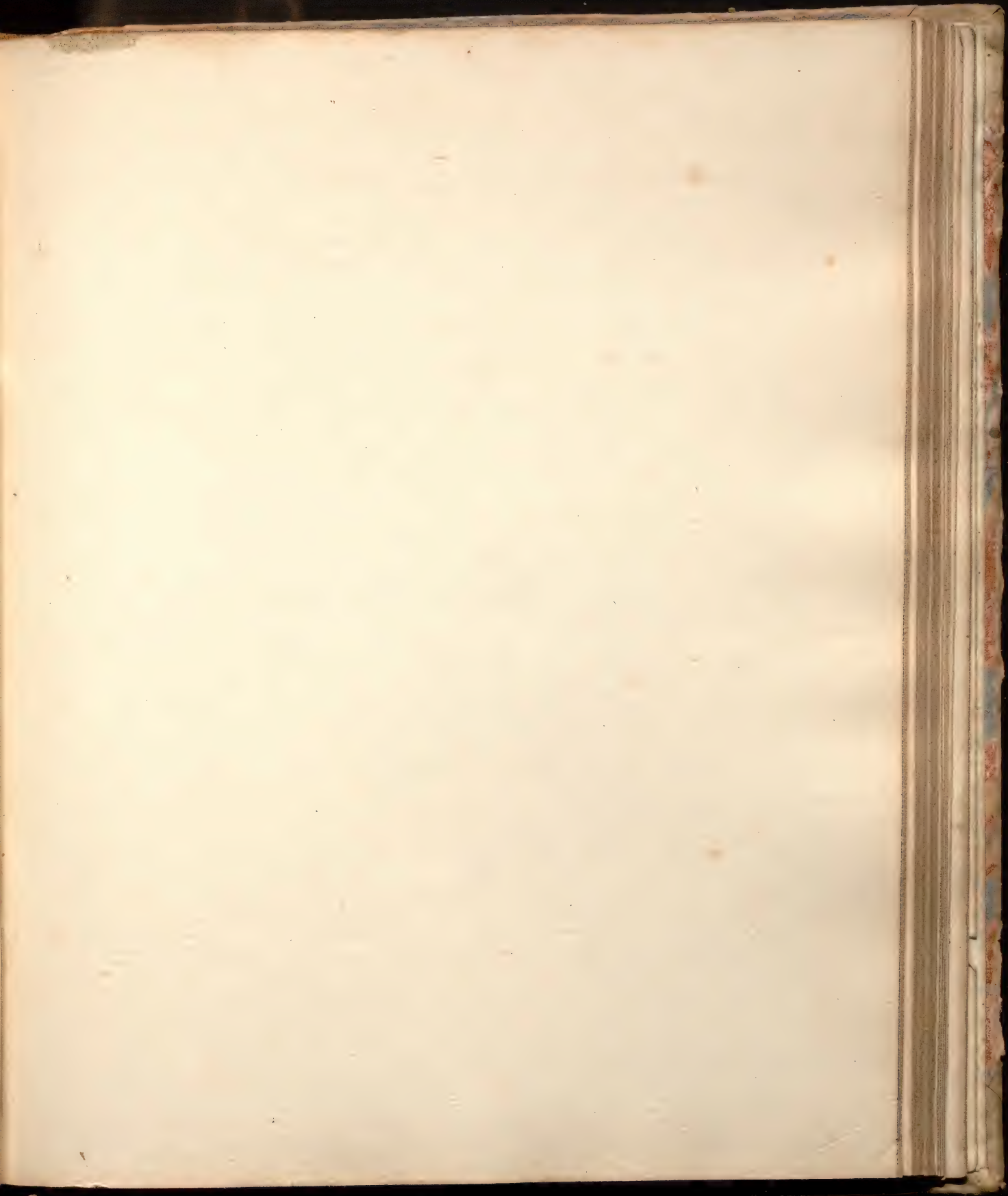












Colors by Munsell Color Services

Golden Thread

D50 Illuminant, 2 degree observer

Density

0.04 0.09 0.15 0.22 0.36 0.51

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

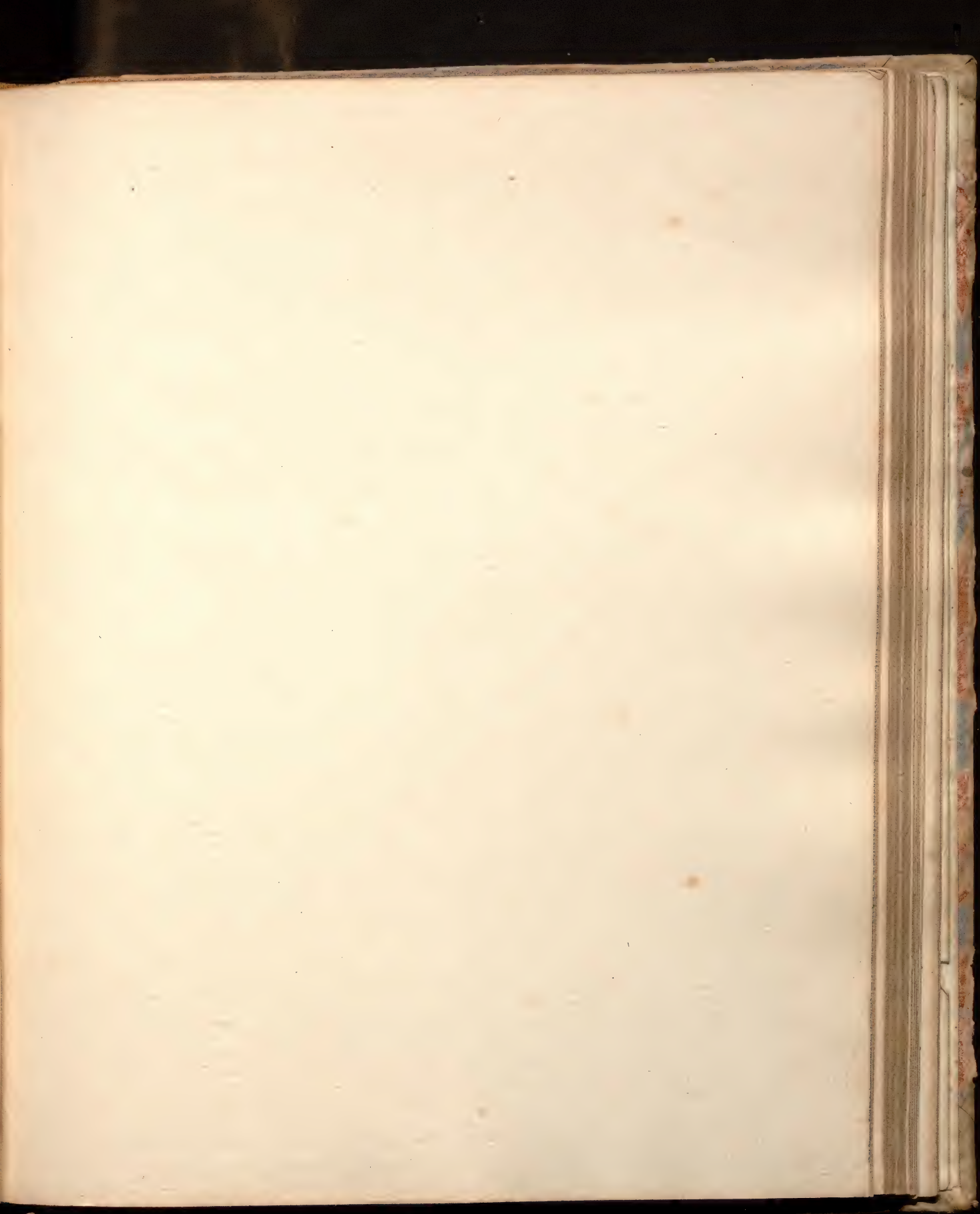
0.75 0.98 1.24 1.67 2.04 2.42

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	82.44	52.00
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

0 1 2 3 4 5 6 7 8 9 10

inches





Colors by Munsell Color Services

Golden Thread

D50 Illuminant, 2 degree observer

Density →

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

0 1 2 3 4

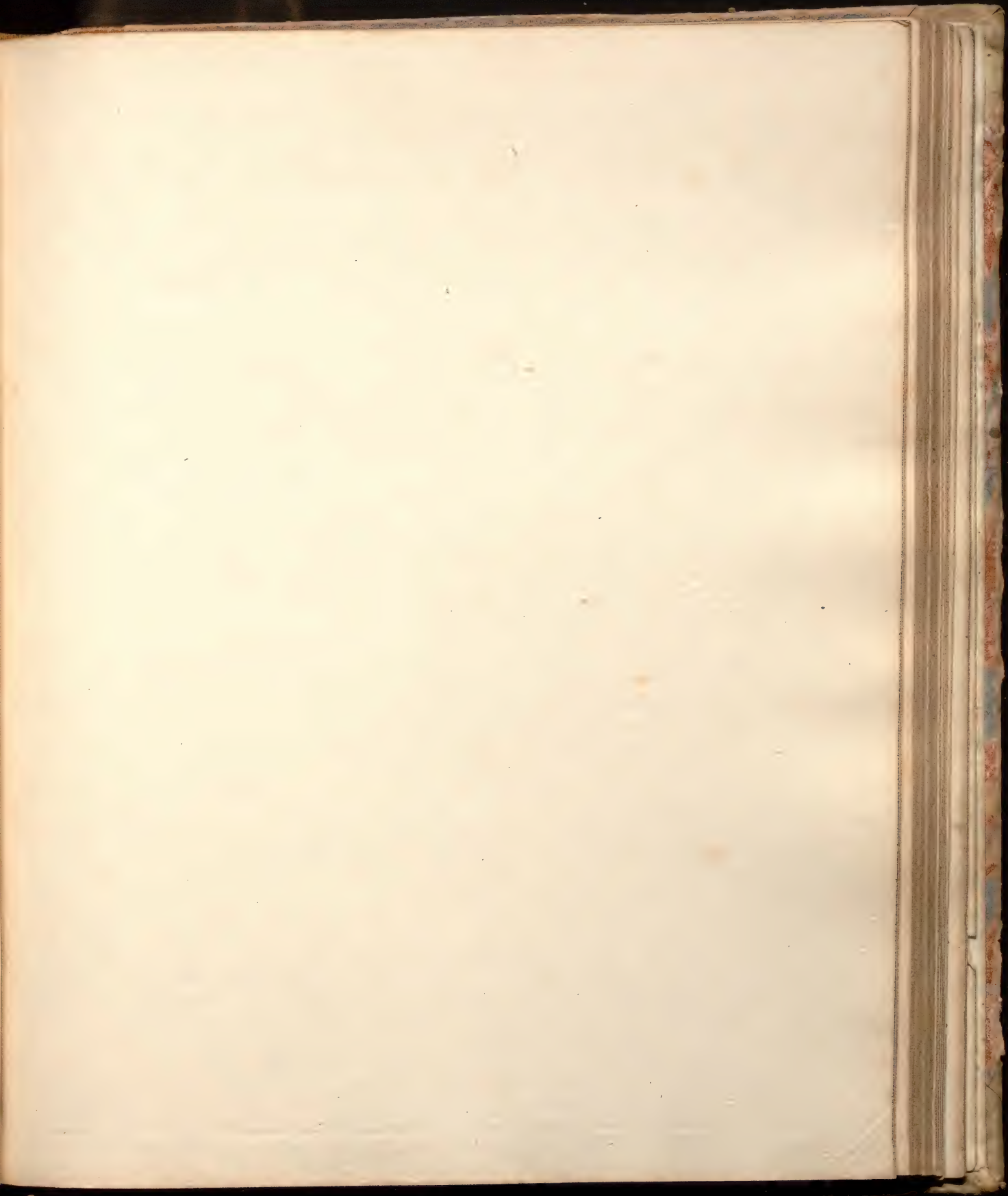
5 6 7 8 9

10 11 12 13 14 15 16

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.85	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	82.44	52.00
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

30 31 32 33 34 35 36 37 38 39 40





Colors by Munsell Color Services

Golden Thread

D50 Illuminant, 2 degree observer

Density →

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

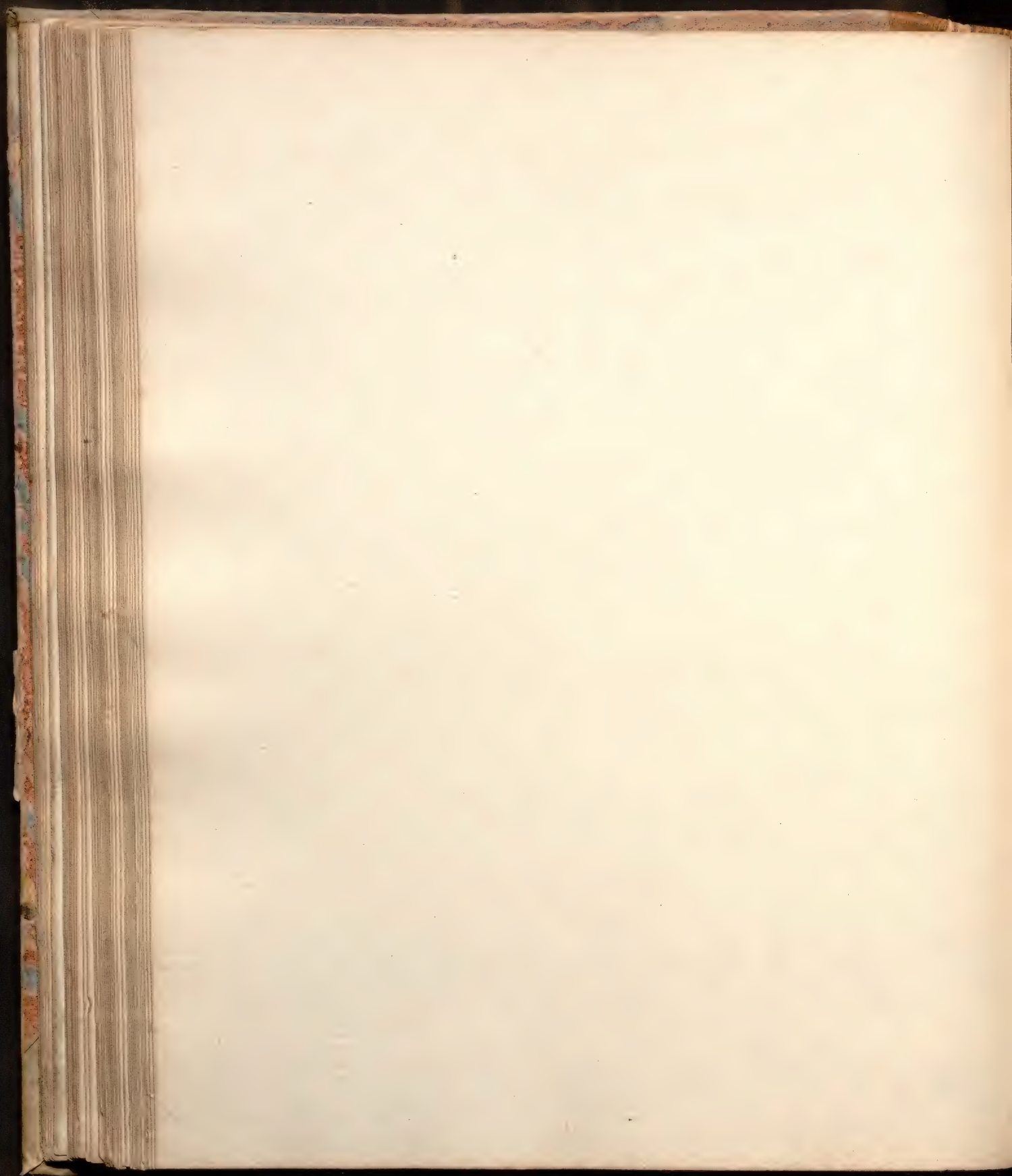
0.04 0.09 0.15 0.22 0.36 0.51

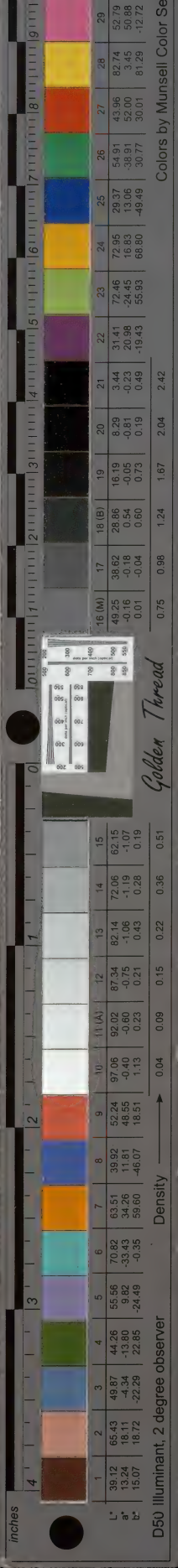
	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.38	-24.45	16.83	13.06	-38.91	52.00	3.45	52.00
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

0.75 0.88 1.24 1.67 2.04 2.42

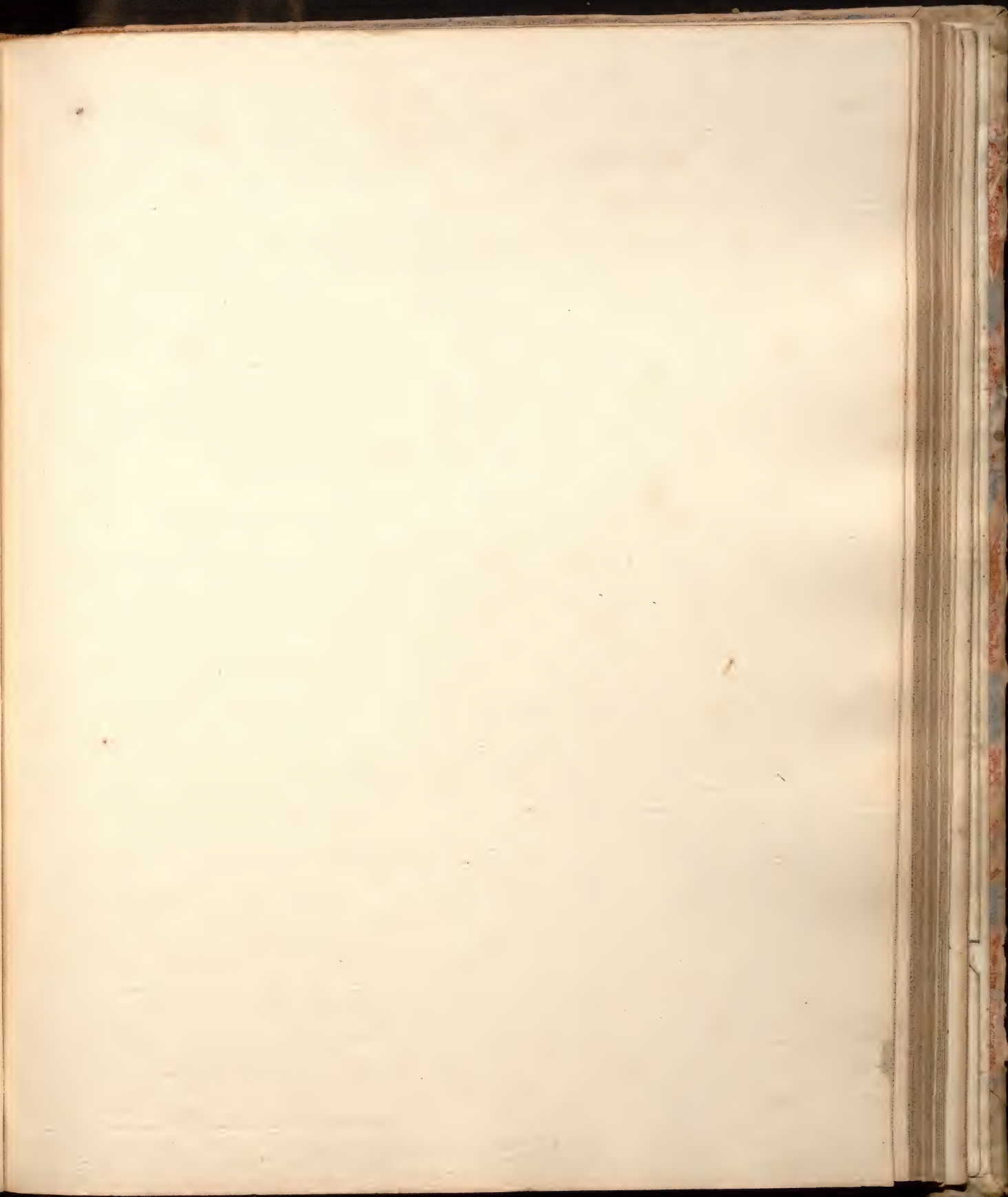
Inches

0 1 2 3 4









Colors by Munsell Color Services

Golden Thread

D50 Illuminant, 2 degree observer

Density →

	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

0.04 0.09 0.15 0.22 0.36 0.51

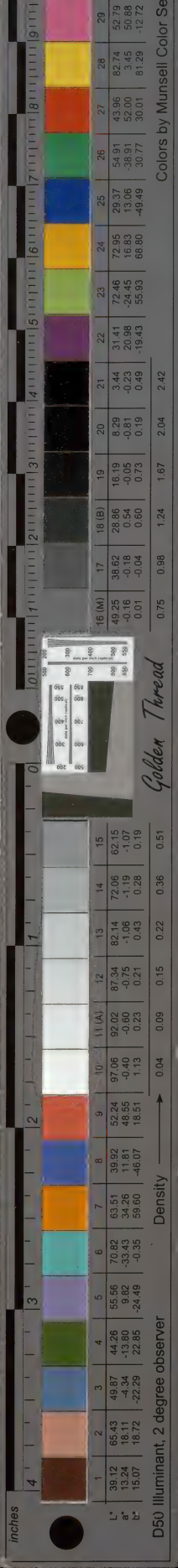
	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.14	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.46	1.13	13.06	38.91	52.00	83.49	52.00
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

0.75 0.88 1.24 1.67 2.04 2.42

Inches

0 1 2 3 4

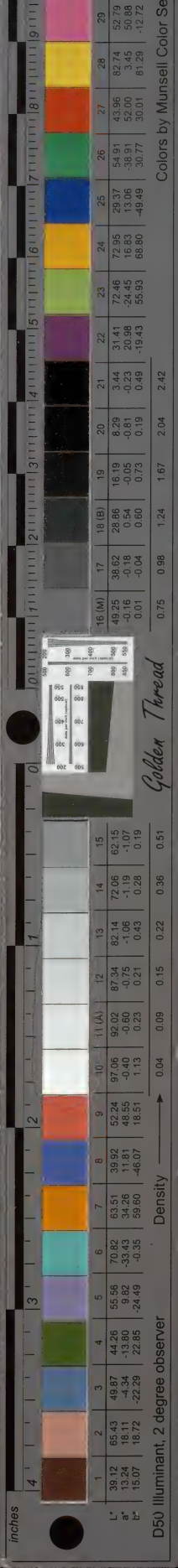
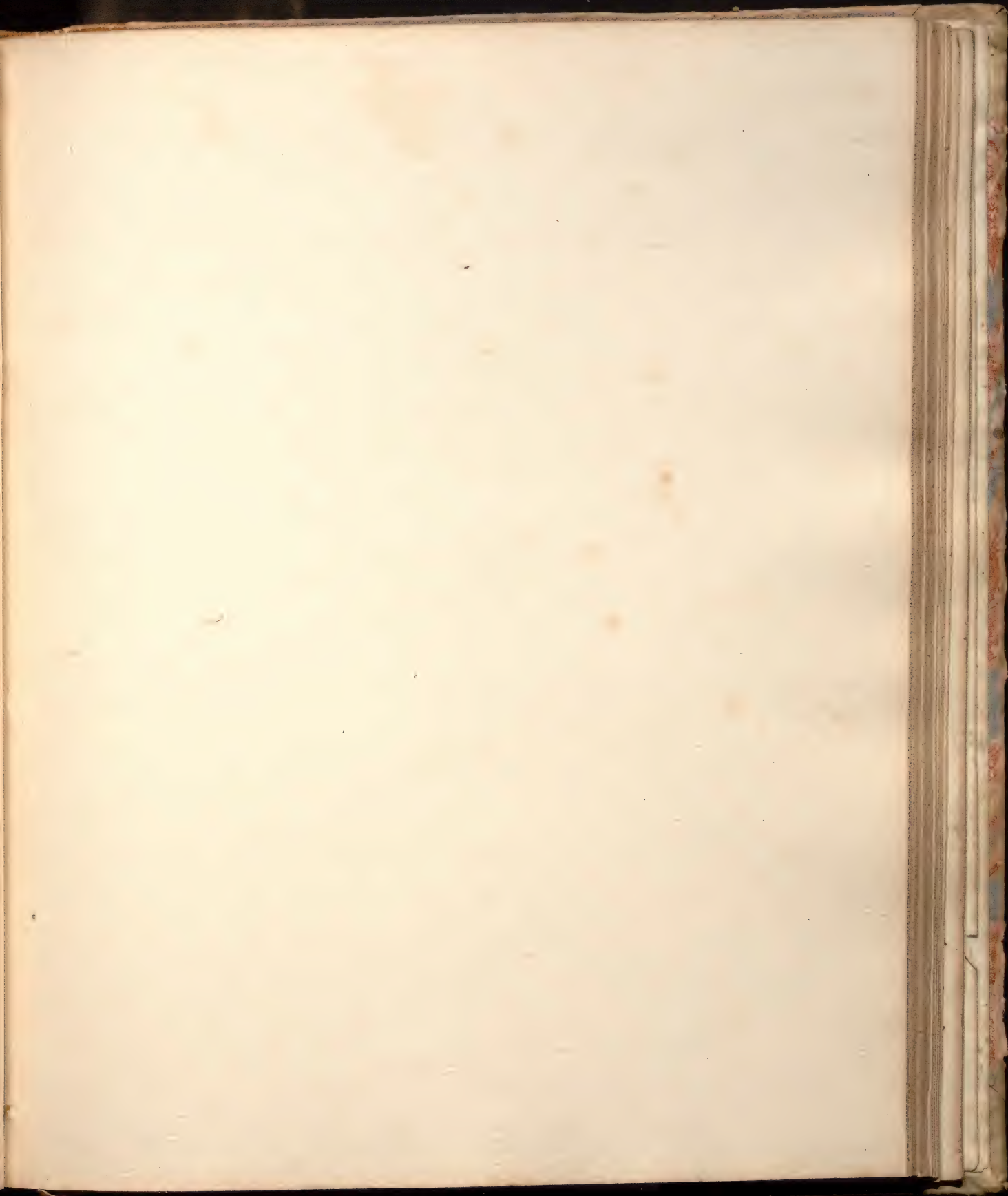




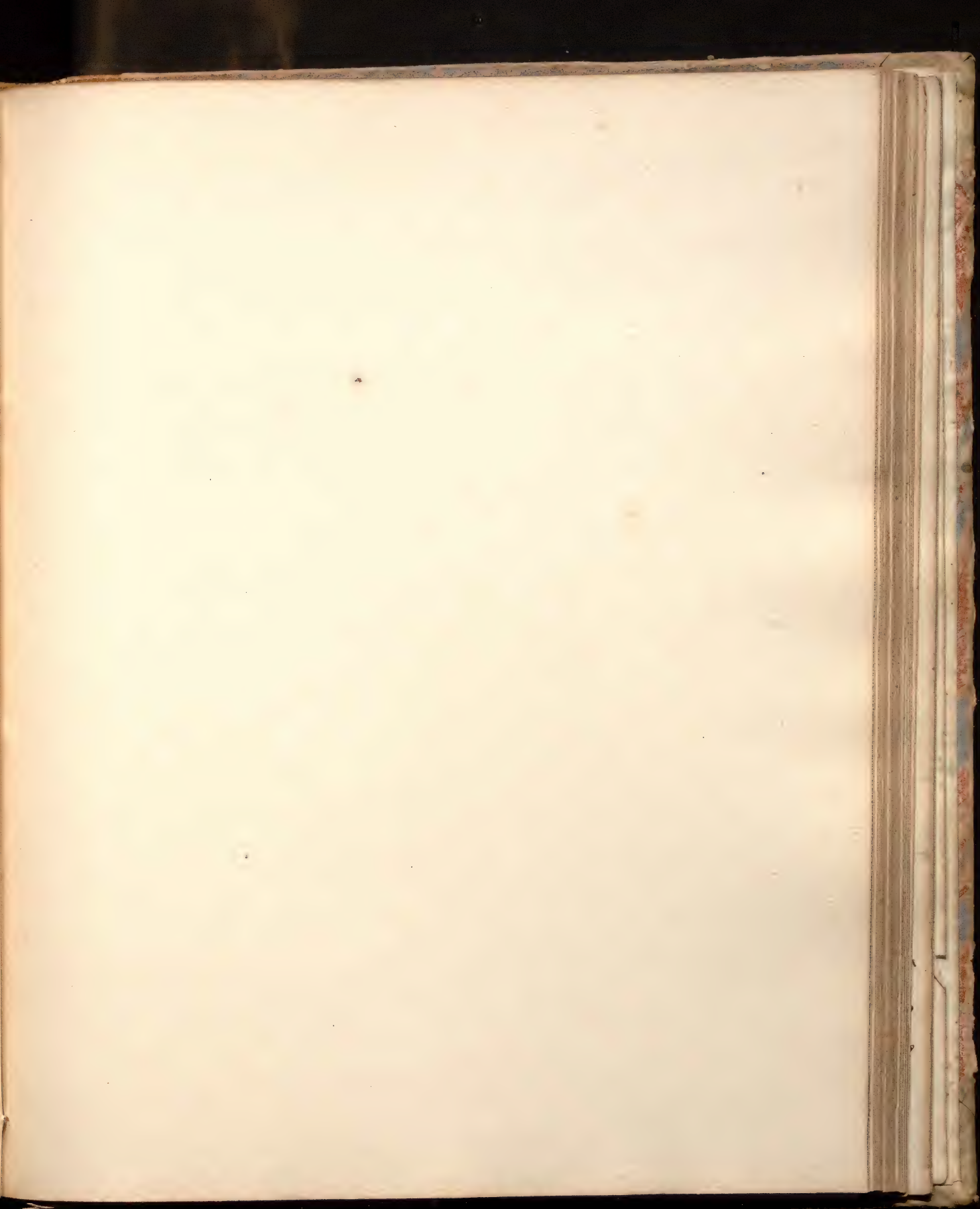








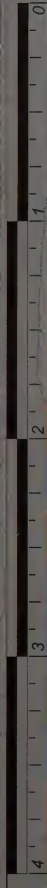








Inches

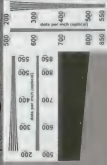


	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	16.51	1.13	0.23	0.21	0.43	0.28	0.19

D50 Illuminant, 2 degree observer

Density

0.04	0.09	0.15	0.22	0.36	0.51
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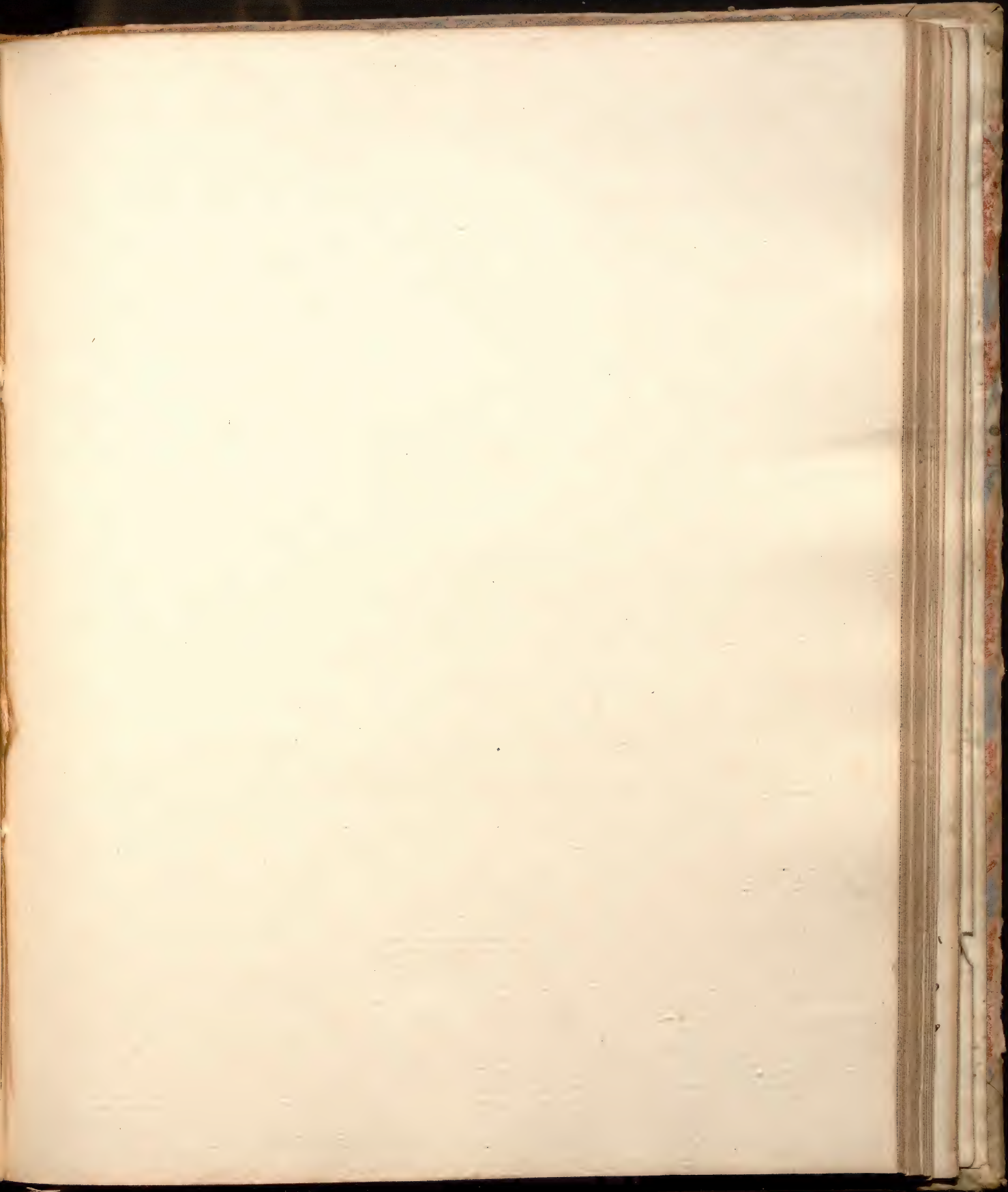


	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	12.72

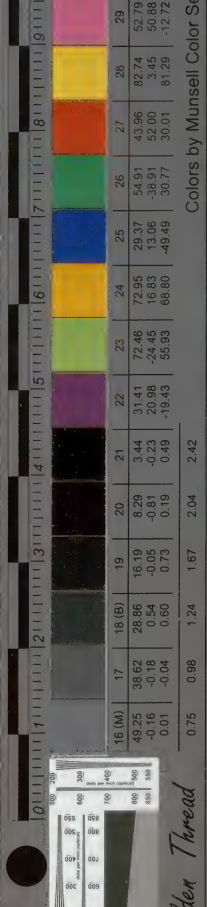
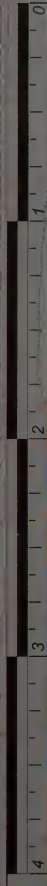
Golden Thread

Colors by Munsell Color Services





Inches



	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.61	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	13.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	16.51	1.13	0.23	0.21	0.43	0.28	0.19
Density	→ 0.04 0.09 0.15 0.22 0.36 0.51														

D50 Illuminant, 2 degree observer

Golden Thread

	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72
Density	0.75	0.98	1.24	1.67	2.04	2.42								

Colors by Munsell Color Services





Inches

4

3

2

1

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

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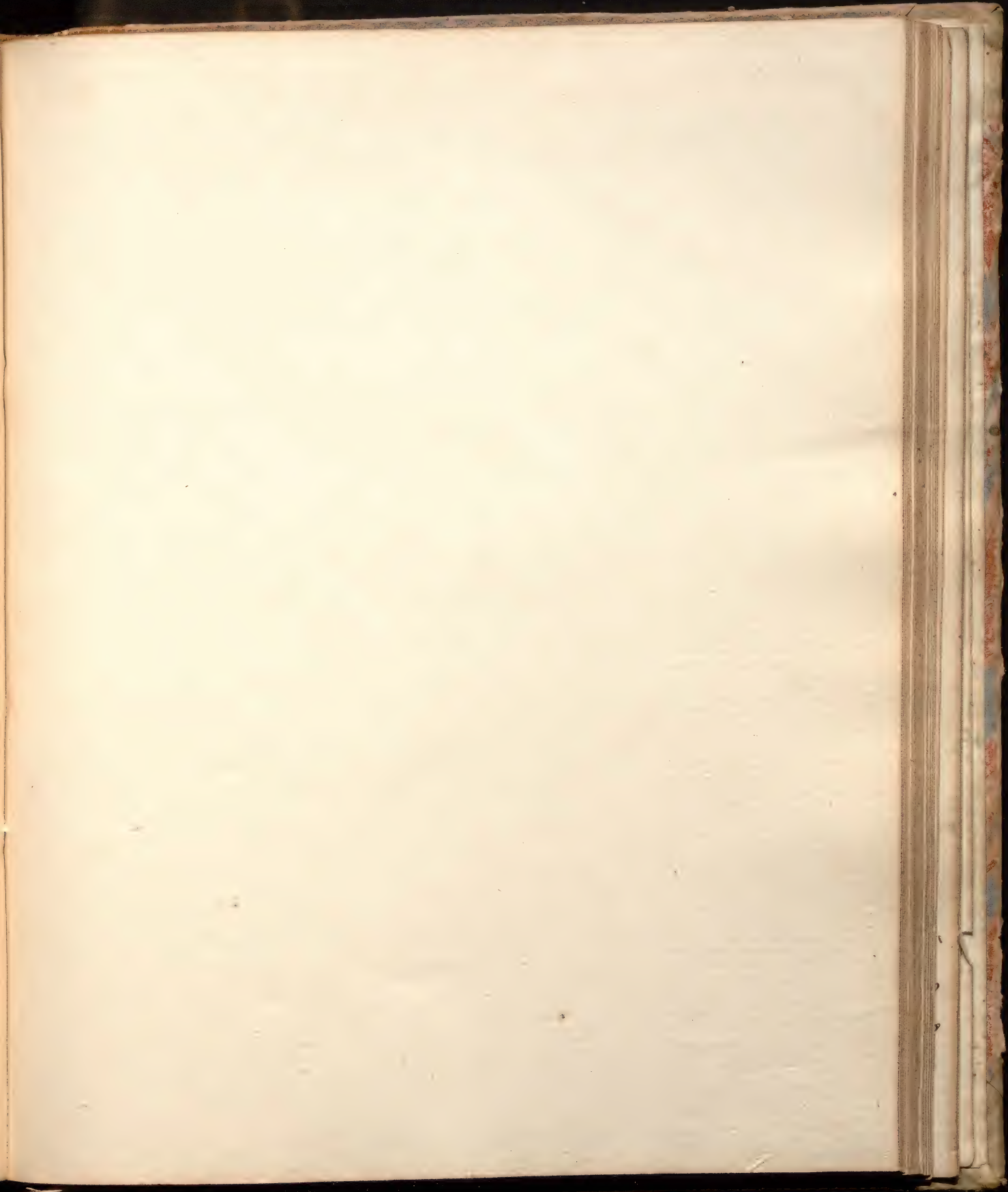
375

376

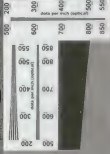
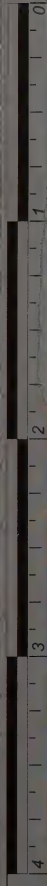
377

378





Inches



L*

a*

b*

39.12

18.11

15.07

65.43

13.24

18.72

49.87

44.26

55.56

70.82

16.82

-33.43

34.26

59.60

46.07

11.61

52.24

46.55

97.06

11.13

1.13

0.23

0.21

0.75

0.21

0.28

0.19

0.19

0.19

0.19

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0.19

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0.19

0.19

0.19

D50 Illuminant, 2 degree observer

Density

0.04

0.09

0.15

0.22

0.36

0.51

0.75

0.98

1.24

1.67

2.04

2.42

2.80

3.18

3.56

3.94

4.32

4.70

5.08

5.46

5.84

6.22

6.60

6.98

7.36

7.74

8.12

8.50

8.88

9.26

9.64

10.02

10.40

10.78

11.16

11.54

11.92

12.30

12.68

13.06

13.44

13.82

14.20

14.58

14.96

15.34

15.72

16.10

16.48

16.86

17.24

17.62

18.00

18.38

18.76

19.14

19.52

19.90

20.28

20.66

21.04

21.42

21.80

22.18

22.56

22.94

23.32

23.70

24.08

24.46

24.84

25.22

25.60

25.98

26.36

26.74

27.12

27.50

27.88

28.26

28.64

29.02

29.40

29.78

30.16

30.54

30.92

31.30

31.68

32.06

32.44

32.82

33.20

33.58

33.96

34.34

34.72

35.10

35.48

35.86

36.24

36.62

37.00

37.38

37.76

38.14

38.52

38.90

39.28

39.66

40.04

40.42

40.80

41.18

41.56

41.94

42.32

42.70

43.08

43.46

43.84

44.22

44.60

44.98

45.36

45.74

46.12

46.50

46.88

47.26

47.64

48.02

48.40

48.78

49.16

49.54

49.92

50.30

50.68

51.06

51.44

51.82

52.20

52.58

52.96

53.34

53.72

54.10

54.48

54.86

55.24

55.62

56.00

56.38

56.76

57.14

57.52

57.90

58.28

58.66

59.04

59.42

59.80

60.18

60.56

60.94

61.32

61.70

62.08

62.46

62.84

63.22

63.60

63.98

64.36

64.74

65.12

65.50

65.88

66.26

66.64

67.02

67.40

67.78

68.16

68.54

68.92

69.30

69.68

70.06

70.44

70.82

71.20

71.58

71.96

72.34

72.72

73.10

73.48

73.86

74.24

74.62

75.00

75.38

75.76

76.14

76.52

76.90

77.28

77.66

78.04

78.42

78.80

79.18

79.56

79.94

80.32

80.70

81.08

81.46

81.84

82.22

82.60

82.98

83.36

83.74

84.12

84.50

84.88

85.26

85.64

86.02

86.40

86.78

87.16

87.54

87.92

88.30

88.68

89.06

89.44

89.82

90.20

90.58

90.96

91.34

91.72

92.10

92.48

92.86

93.24

93.62

94.00

94.38

94.76

95.14

95.52

95.90

96.28

96.66

97.04

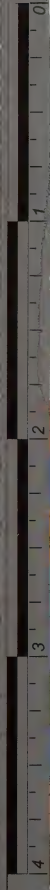
97.42

97.80





Inches



1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11
15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07

L*

a*

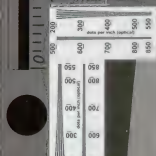
b*

D50 Illuminant, 2 degree observer

Density

0.04 0.09 0.15 0.22 0.35 0.51

Golden Thread



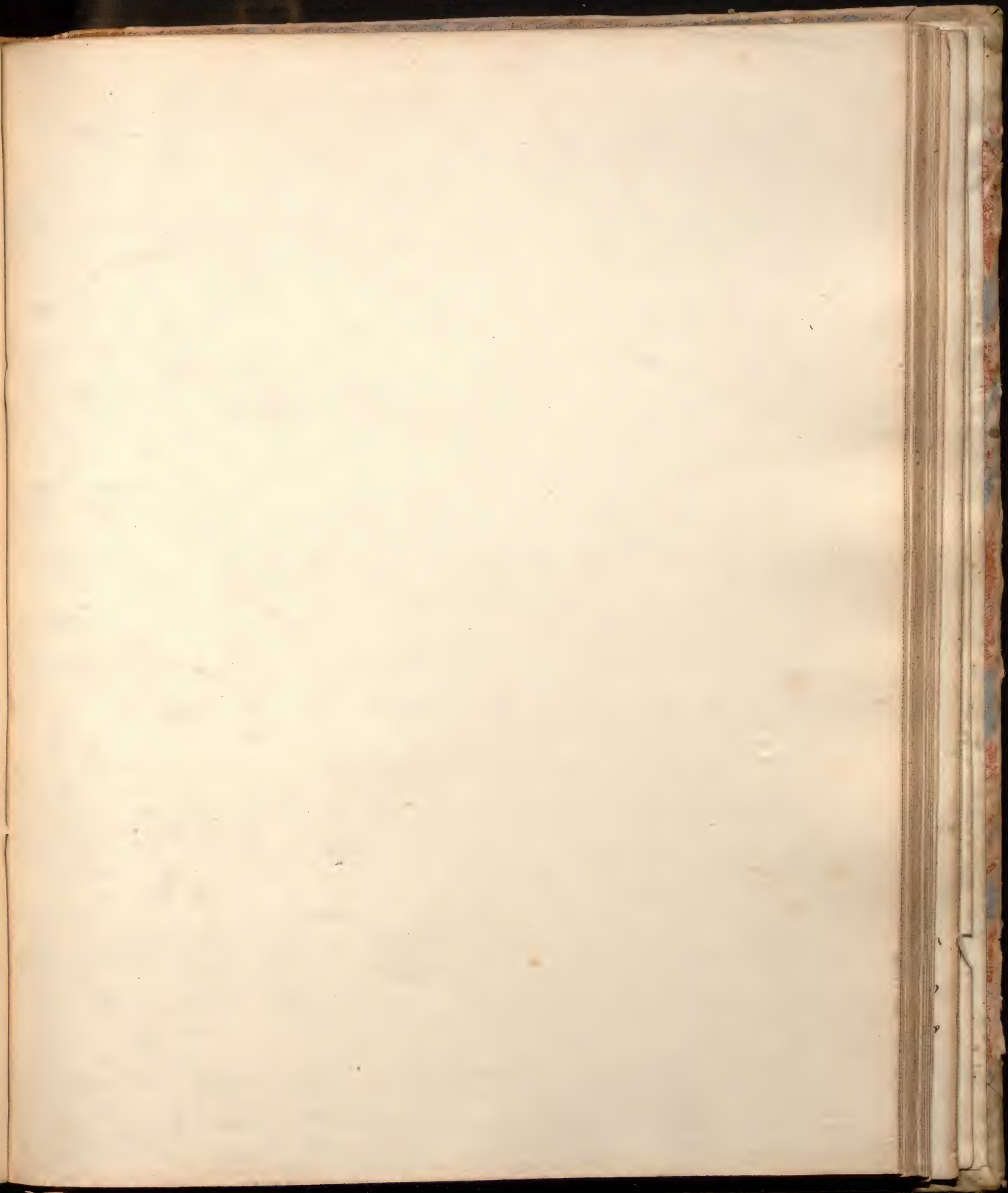
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
39.12	39.12	39.12	39.12	39.12	39.12	39.12	39.12	39.12	39.12	39.12	39.12	39.12	39.12	39.12
18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11	18.11
15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07	15.07

16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	12.72

16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
0.75	0.98	1.24	1.67	2.04	2.42								

Colors by Munsell Color Services





Inches

4

3

2

1

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

D50 Illuminant, 2 degree observer

L*

39.12

65.43

18.11

15.07

13.72

12.23

11.61

11.81

10.51

9.24

8.24

7.06

6.24

5.24

4.24

3.24

2.24

1.24

0.24

0.15

0.09

0.04

0.00

0.00

0.00

0.00

0.00

0.00

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0.00

0.00

0.00

0.00

0.00

0.00

a*

13.24

13.80

22.85

22.85

22.85

22.85

22.85

22.85

22.85

22.85

22.85

22.85

22.85

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b*

15.07

15.07

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Density

0.04

0.09

0.15

0.22

0.35

0.51

0.75

0.98

1.24

1.67

2.04

2.42

2.80

3.18

3.56

3.94

4.32

4.70

5.08

5.46

5.84

6.22

6.60

6.98

7.36

7.74

8.12

8.50

8.88

9.26

9.64

10.02

10.40

10.78

11.16

11.54

11.92

12.30

12.68

13.06

13.44

13.82

14.20

14.58

14.96

15.34

15.72

Colors by Munsell Color Services





Color calibration chart and ruler.

Golden Thread

D50 Illuminant, 2 degree observer

Density →

Patch	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	46.07	16.51	1.13	0.23	0.21	0.43	0.28	0.19

0.04 0.09 0.15 0.22 0.35 0.51

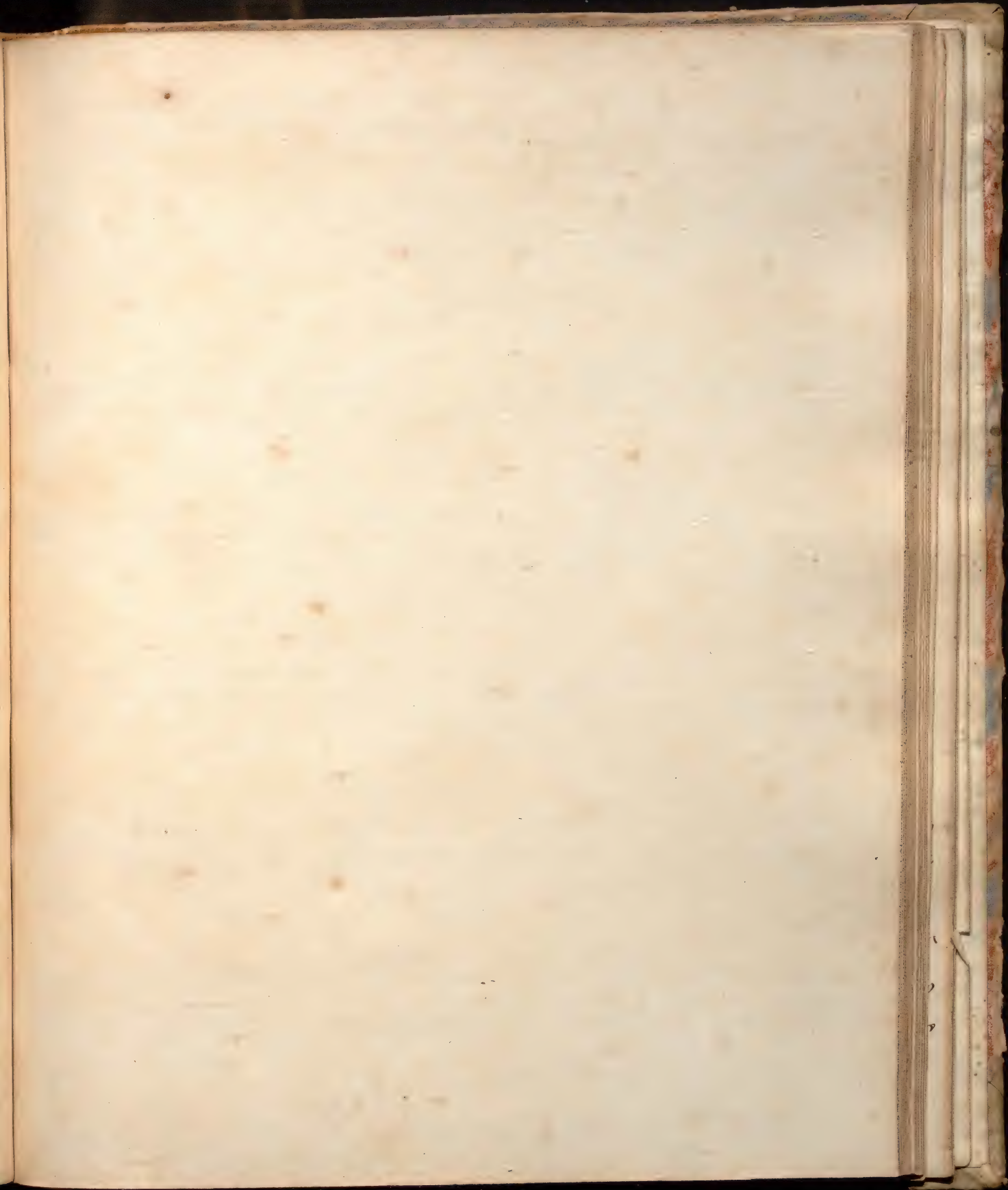
16(M) 17 18(B) 19 20 21 22 23 24 25 26 27 28 29

Patch	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

Colors by Munsell Color Services







Color calibration chart and ruler.

Golden Thread

D50 Illuminant, 2 degree observer

Density →

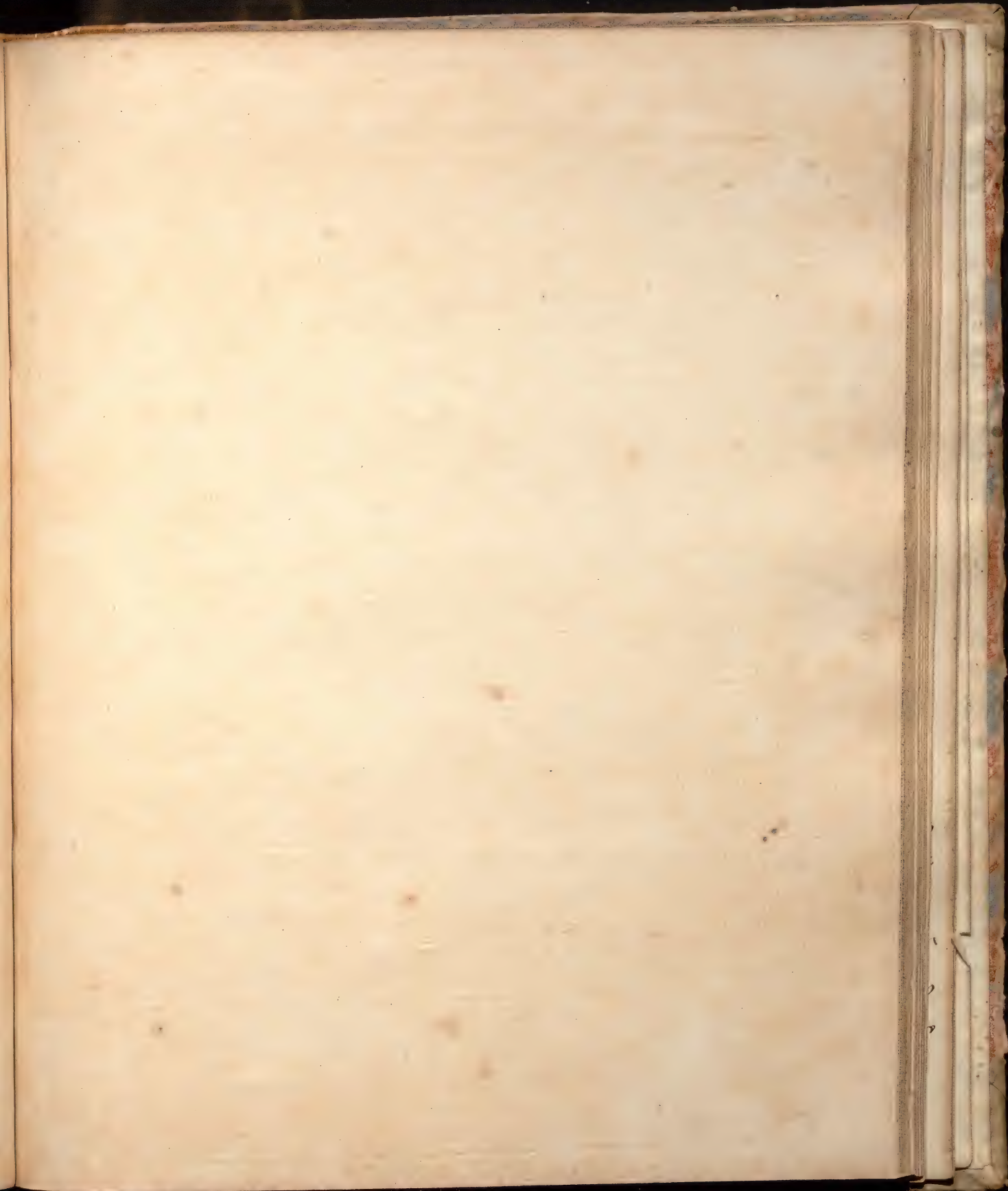
	1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.06	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

0 1 2 3 4 inches

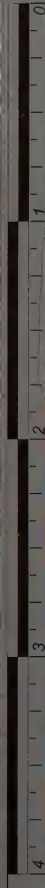
	16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.63	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

Colors by Munsell Color Services Lab





Inches



1	2	3	4	5	6	7	8	9	10	11(A)	12	13	14	15
39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
13.24	18.11	13.34	-13.80	9.82	-33.43	34.26	11.61	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
15.07	13.72	-22.29	22.85	-24.49	-0.35	59.60	46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

L*

a*

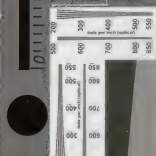
b*

D50 Illuminant, 2 degree observer

Density

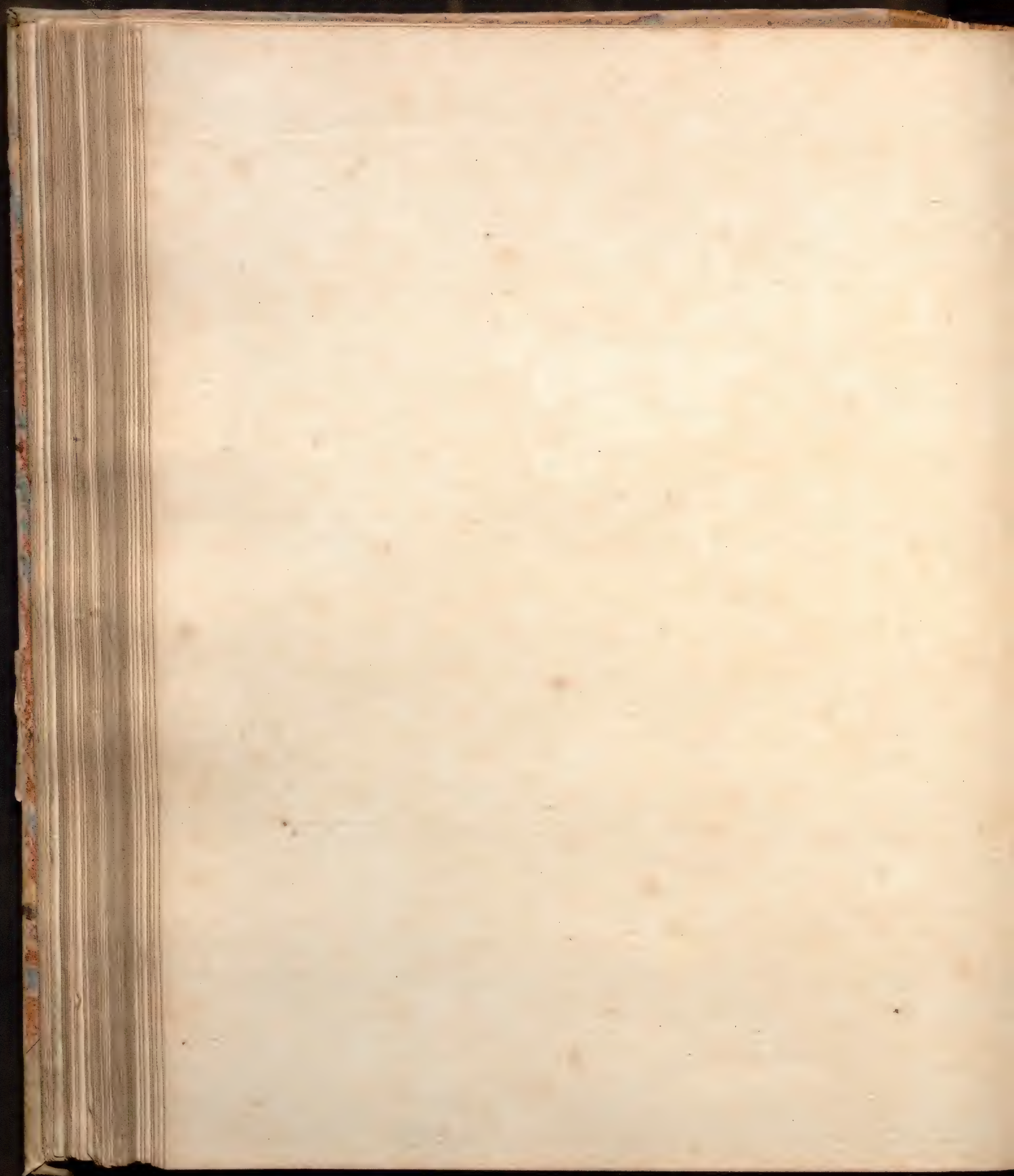
0.04	0.09	0.15	0.22	0.35	0.51
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Golden Thread



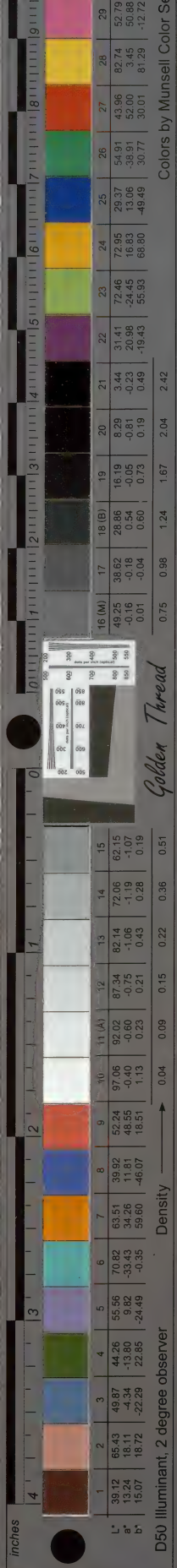
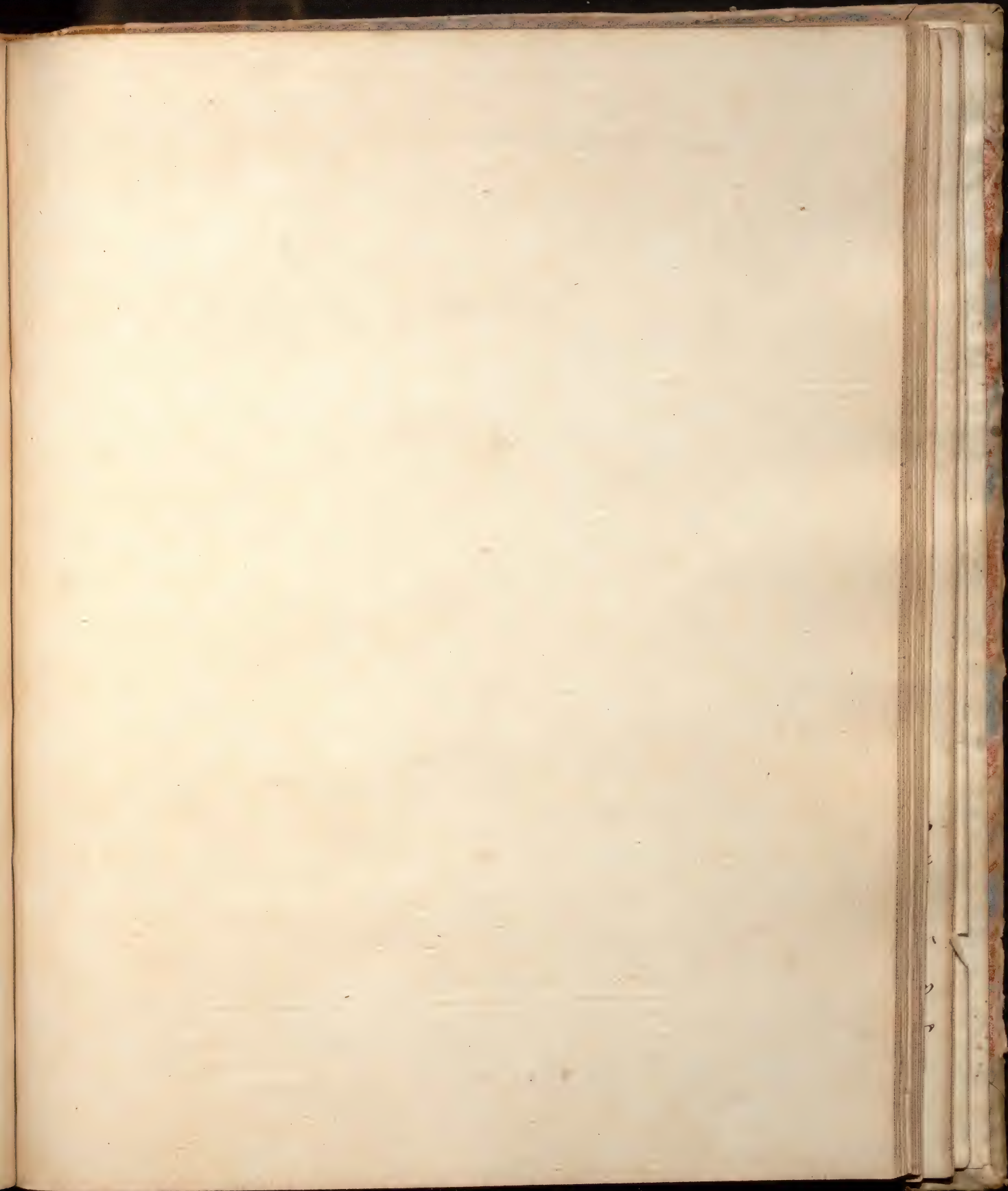
16(M)	17	18(B)	19	20	21	22	23	24	25	26	27	28	29
49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.63	13.06	-38.91	52.00	3.45	50.88
0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

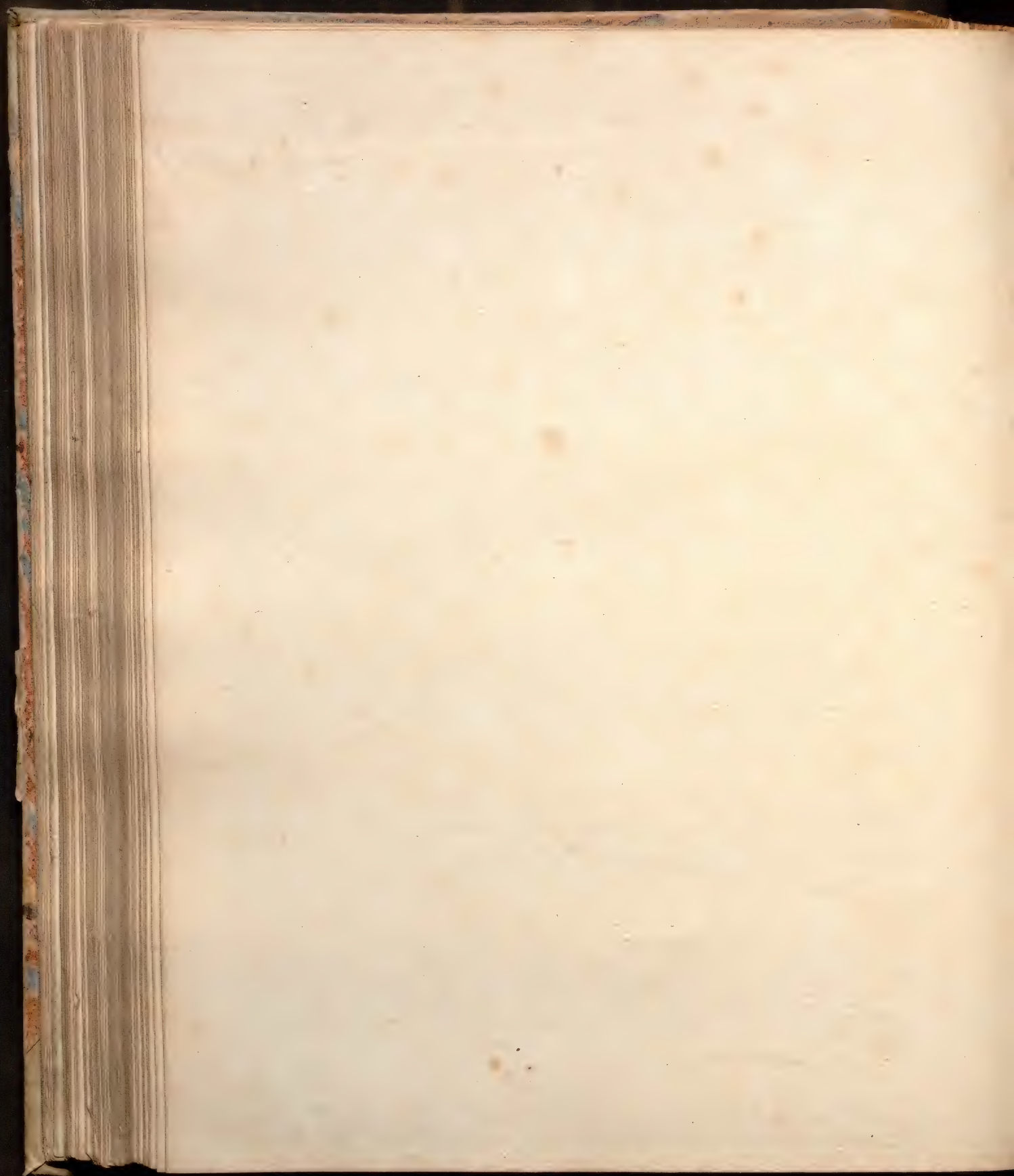
Colors by Munsell Color Services

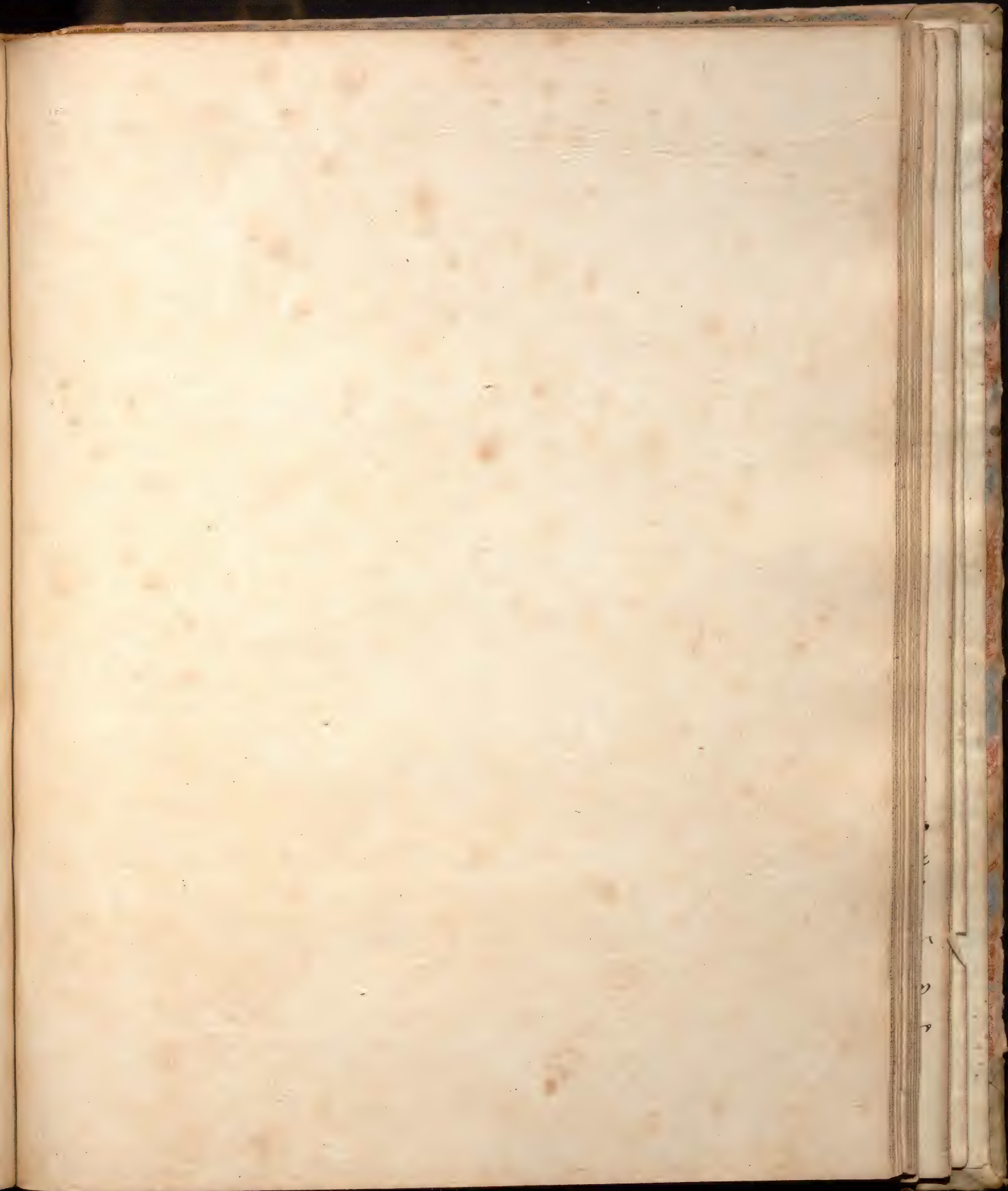












Inches



L*

a*

b*

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11 (A)

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16 (M)

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18 (B)

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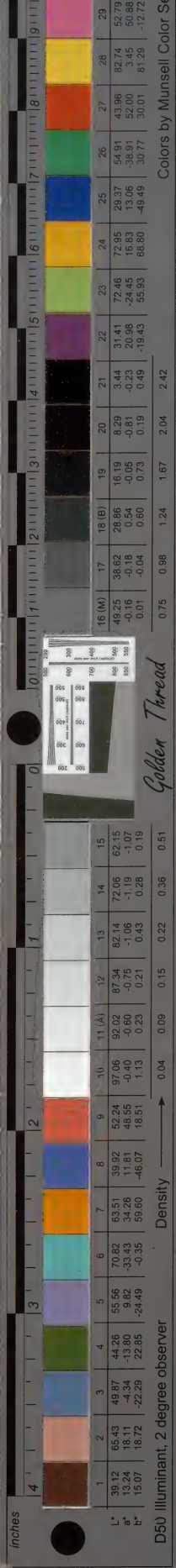
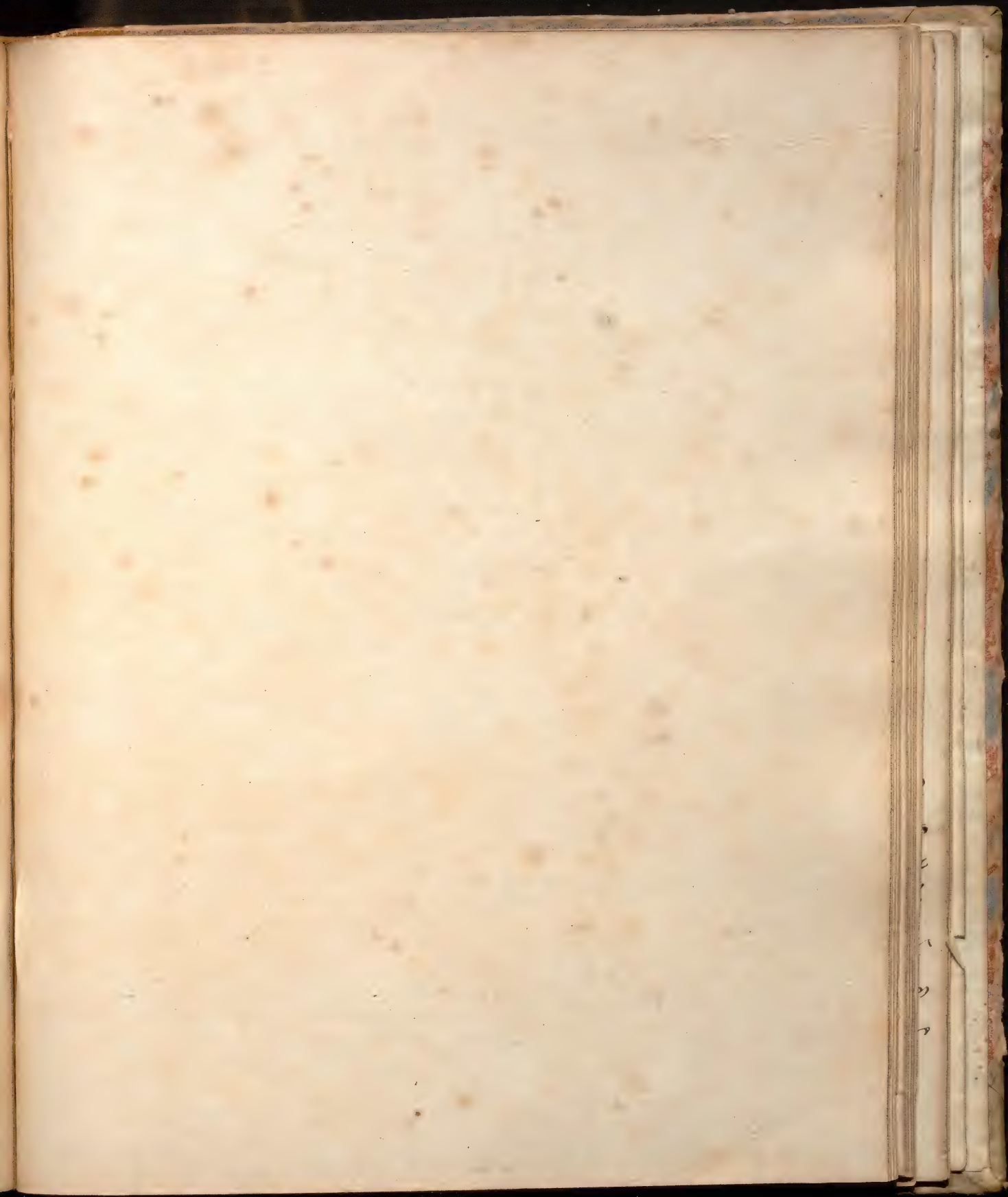
368

369

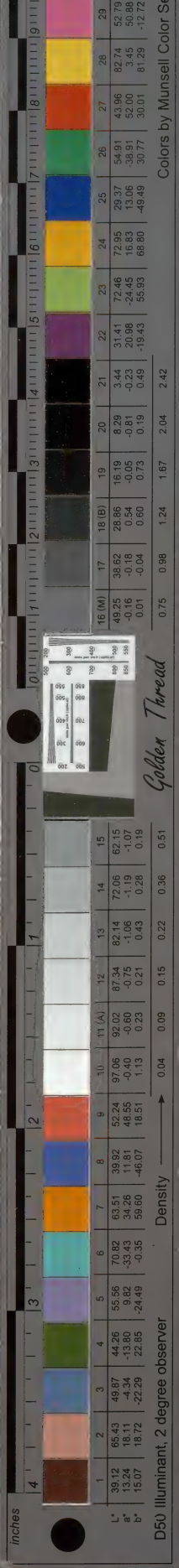
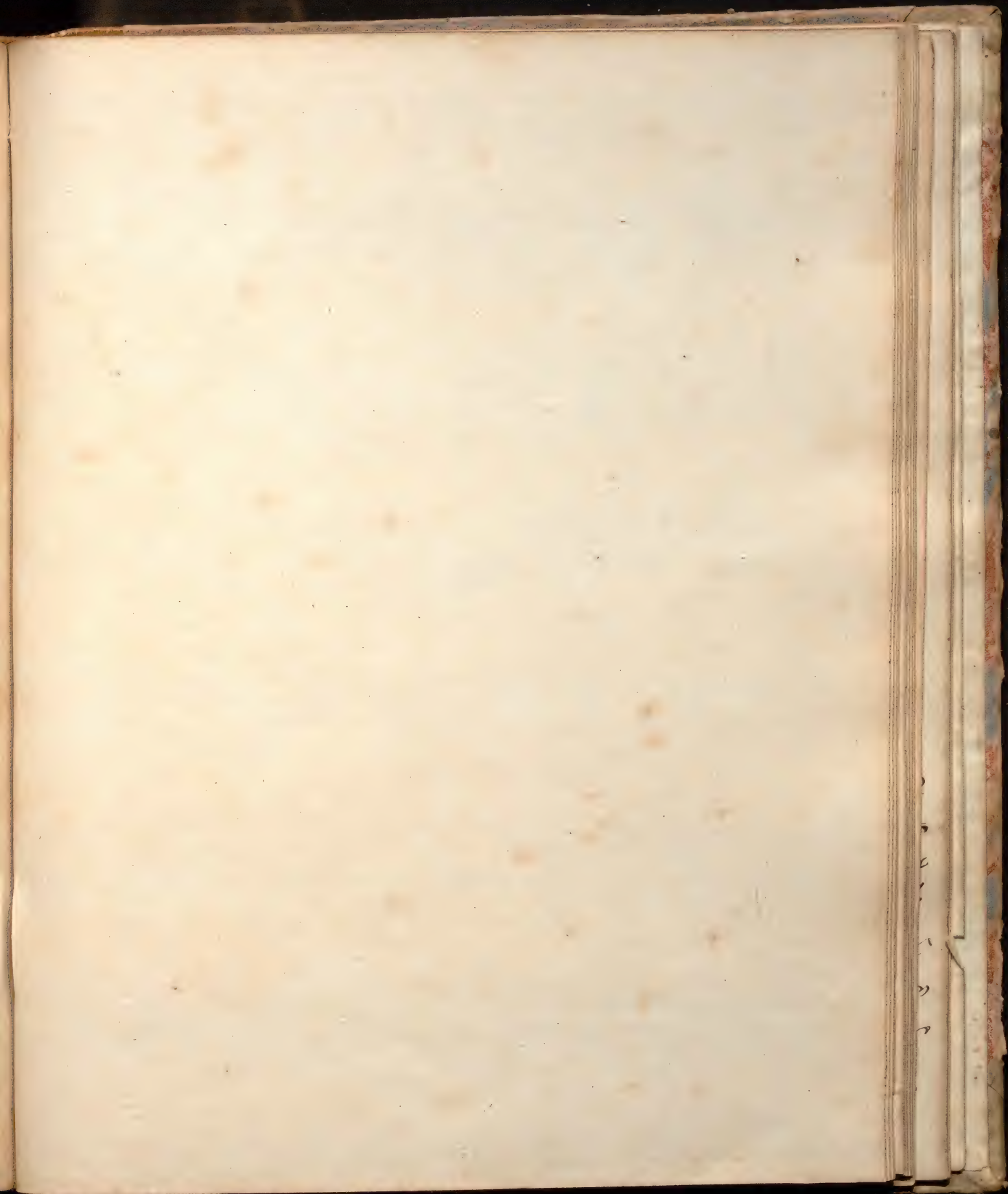
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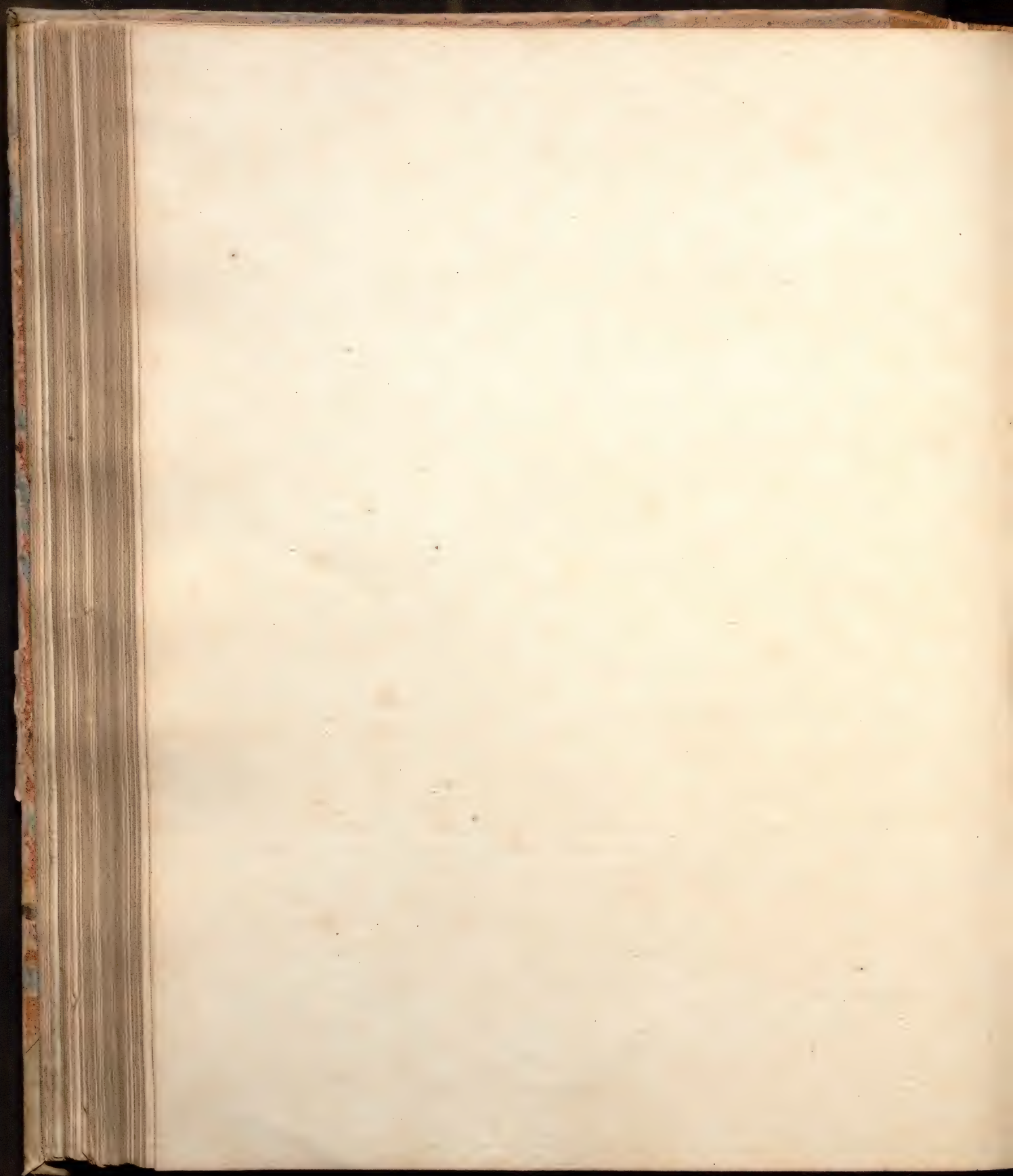
371

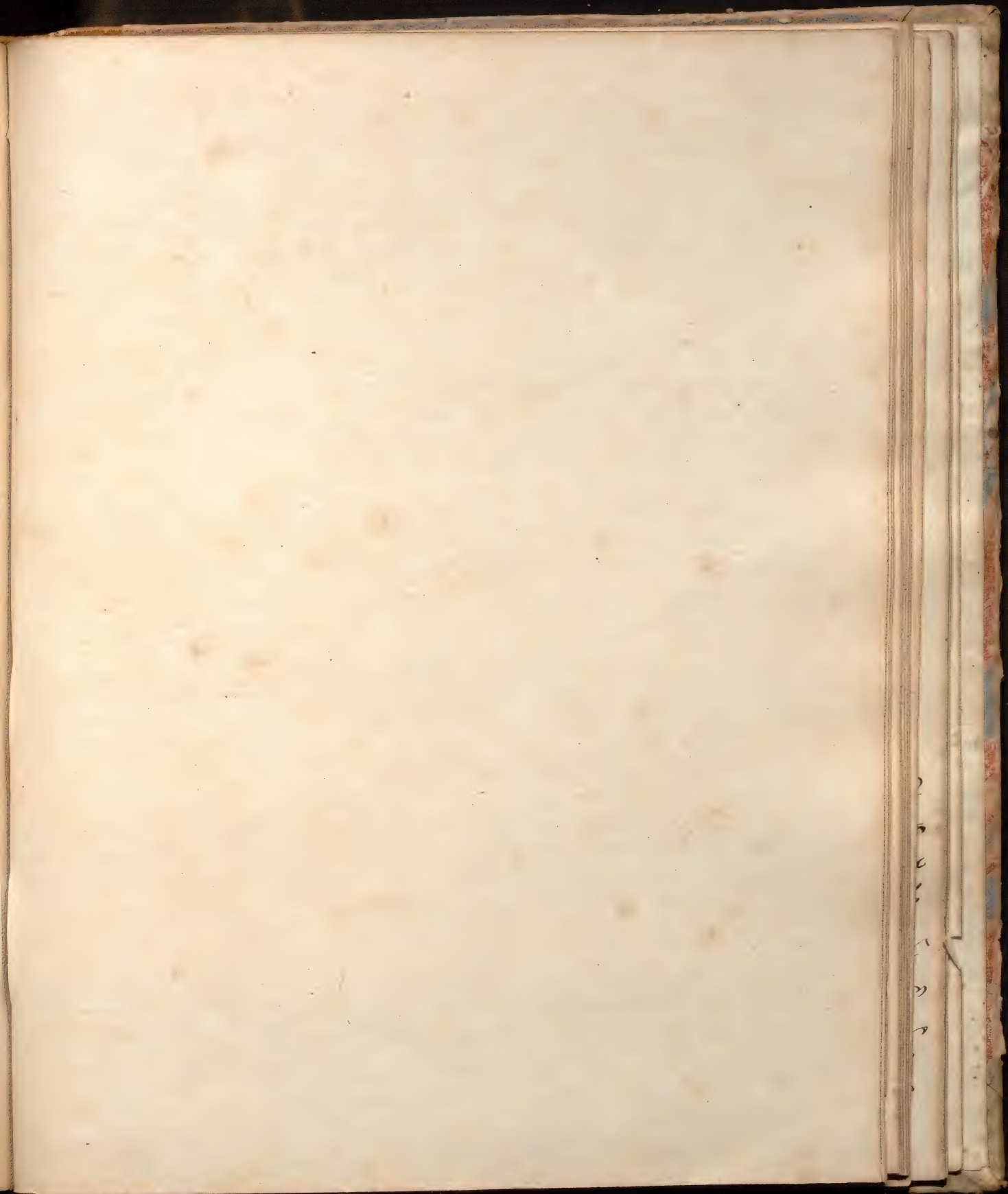












Inches

4 3 2 1 0

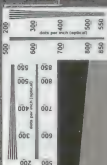


	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	-46.07	16.51	1.13	0.23	0.21	0.43	0.28	0.19

D50 Illuminant, 2 degree observer

Density

0.04 0.09 0.15 0.22 0.36 0.51



Golden Thread

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

2.42

2.04

1.67

1.24

0.98

0.75

0.51

0.36

0.22

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0.09

0.04

0.01

0.00

0.00

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0.00

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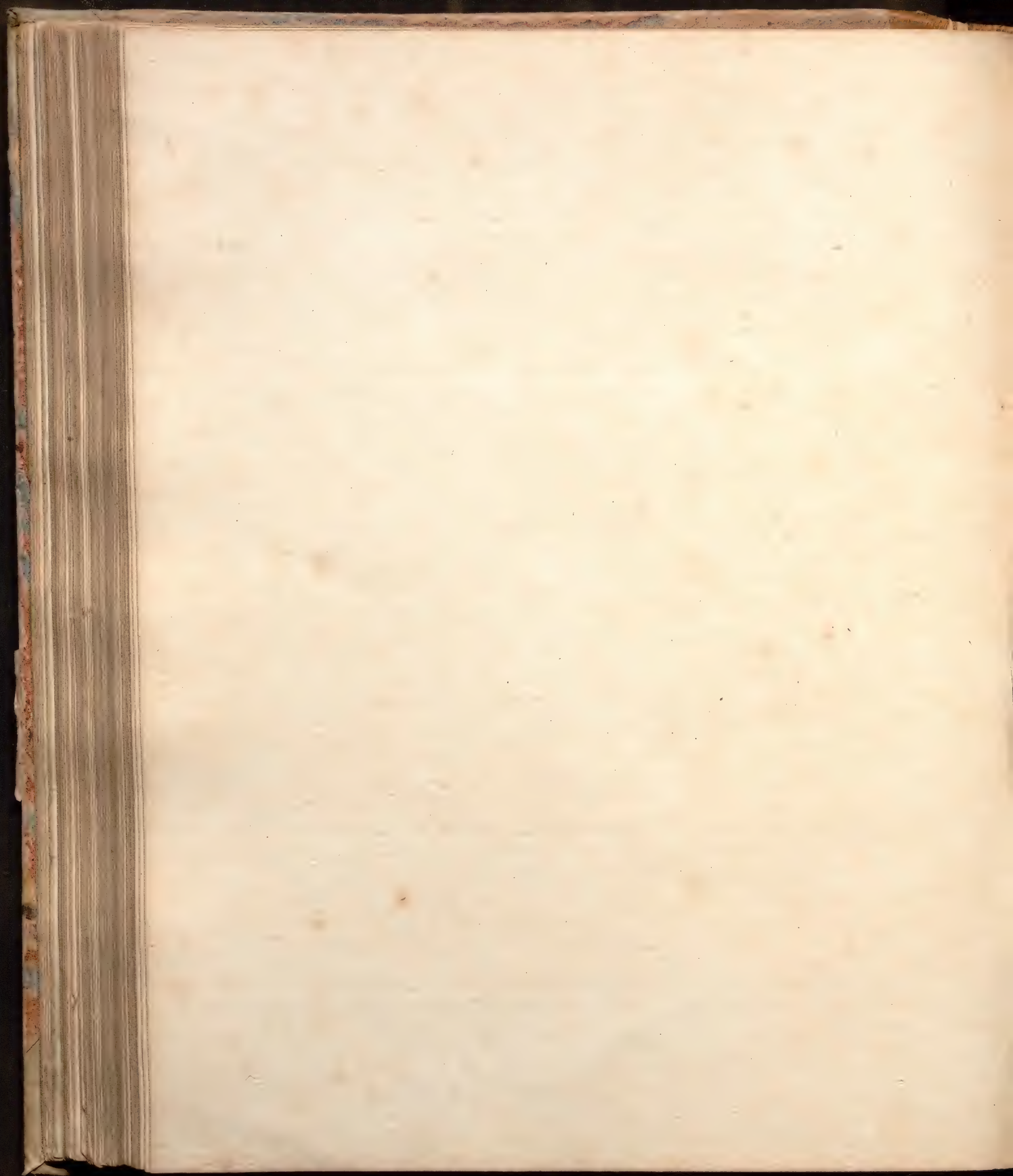
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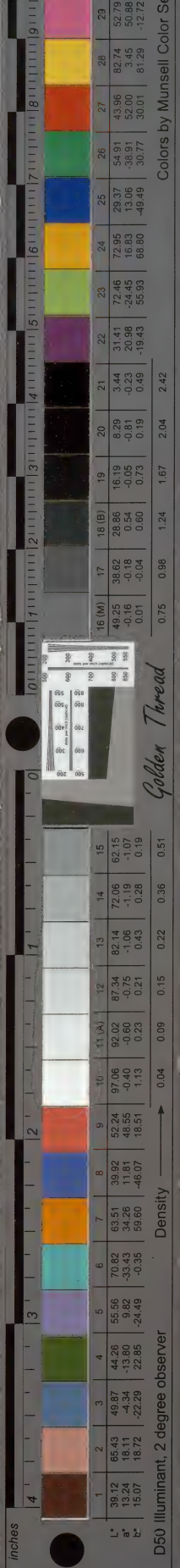
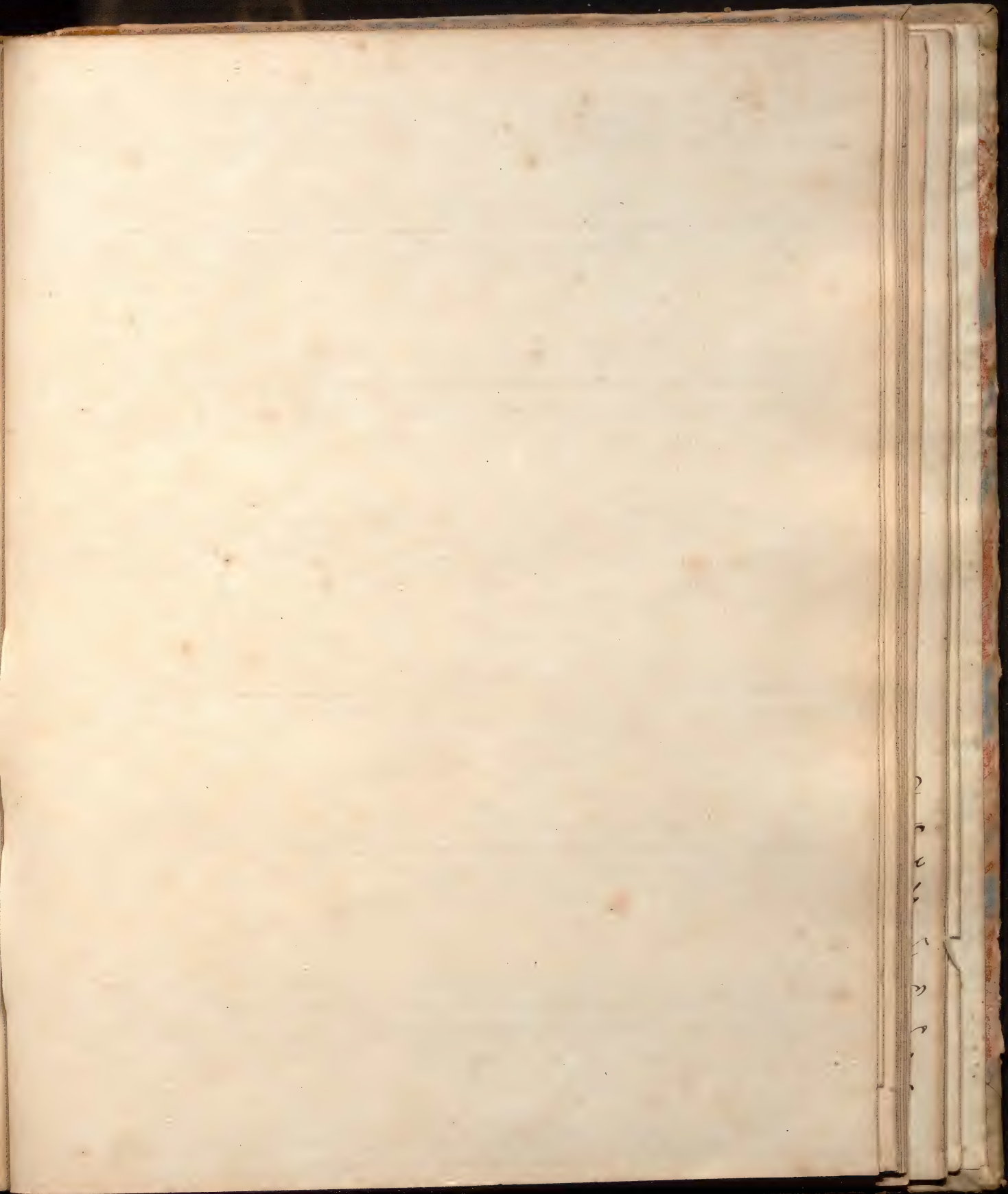
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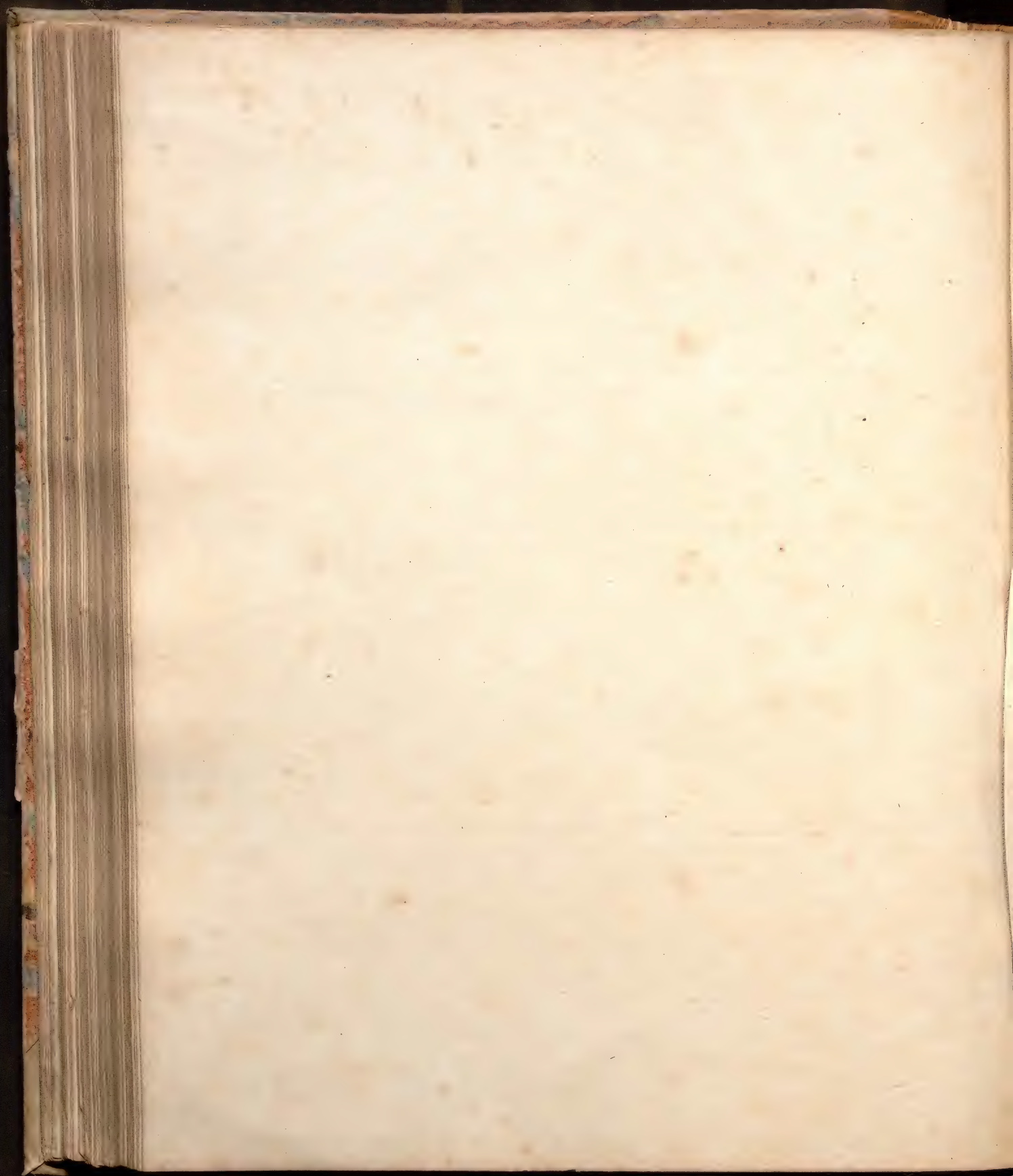
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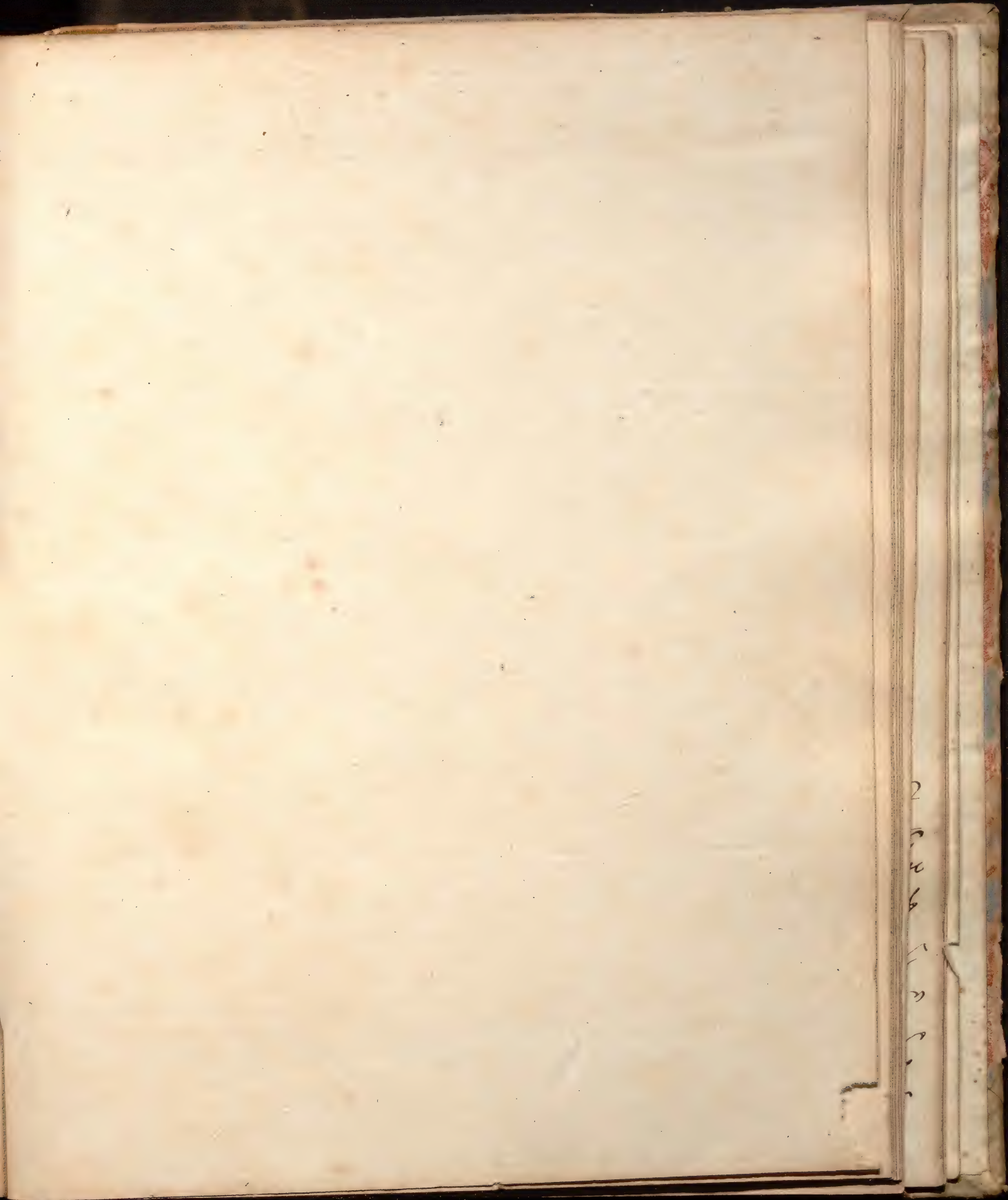
0.00

Colors by Munsell Color Services









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Inches

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14
15

L*

a*

b*

D50 Illuminant, 2 degree observer

Density

Golden Thread

2.42

2.04

1.67

1.24

0.98

0.75

0.51

0.36

0.22

0.15

0.09

0.04

0.01

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Colors by Munsell Color Services





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15

inches

4 3 2 1 0

16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15	
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15	
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07	
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	16.51	1.13	0.23	0.21	0.43	0.28	0.19	
Density											0.04	0.09	0.15	0.22	0.36	0.51

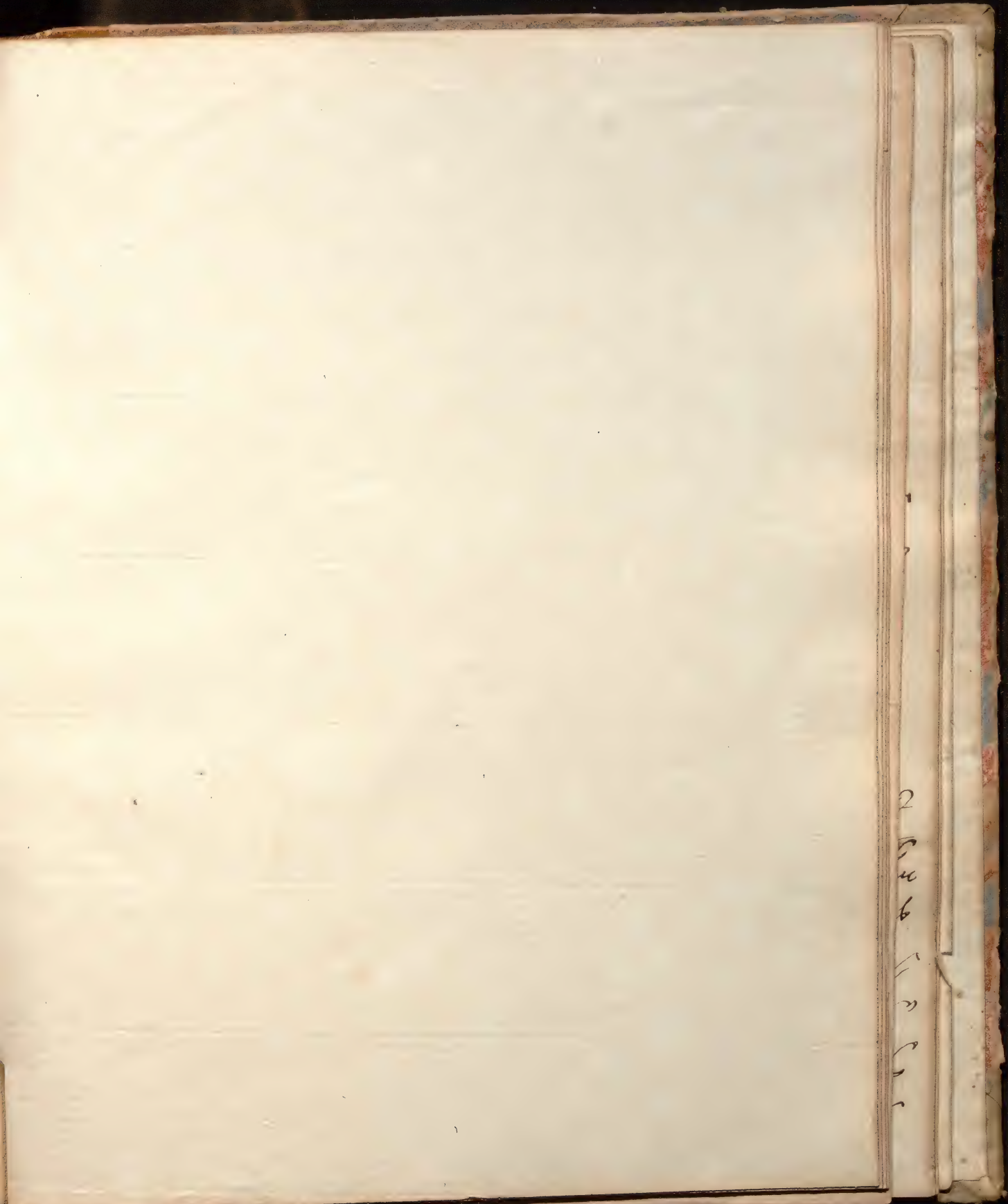
D50 Illuminant, 2 degree observer

Golden Thread

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

Colors by Munsell Color Services





100 90 80 70 60 50 40 30 20 10 0

Inches

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L*

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15.07

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18.11

18.72

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-4.34

-22.29

44.26

-13.80

22.85

55.56

9.82

-33.43

-24.49

70.82

34.26

11.81

46.07

63.51

39.92

52.24

87.34

82.14

72.05

62.15

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-1.07

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0.04

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0.36

0.51

D50 Illuminant, 2 degree observer

Density

0.04

0.09

0.15

0.22

0.36

0.51

0.19

0.15

0.09

0.04

0.04

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0.19

0.15

0.09

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0.98

1.24

1.67

2.04

2.42

0.75

0.98

1.24

1.67

2.04

2.42

0.75

0.98

1.24

1.67

2.04

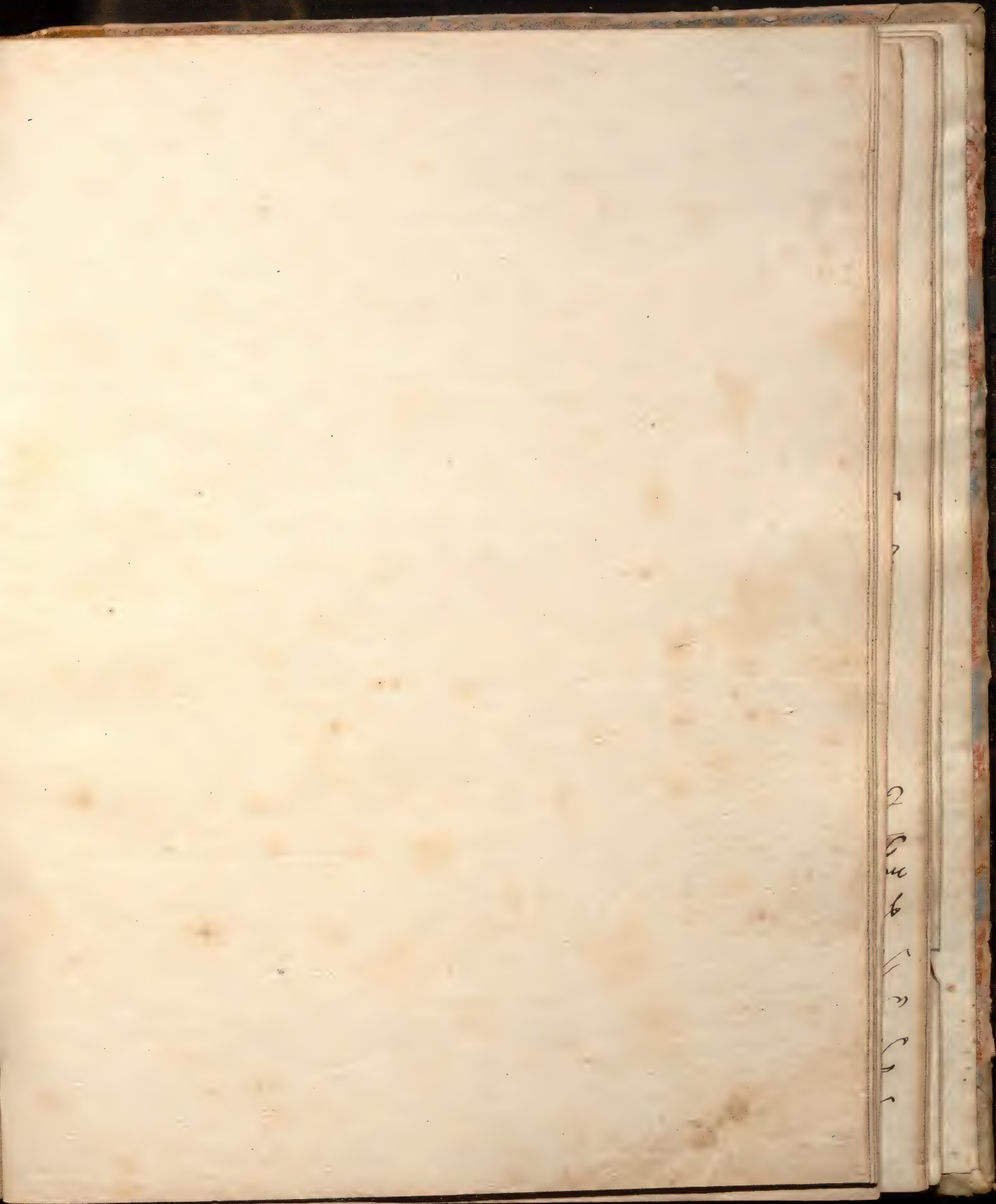
2.42

0.75

0.98

Colors by Munsell Color Services





100 3 11 6 2







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Color calibration chart and ruler. The ruler shows inches from 0 to 4. The chart includes color patches and density measurements.

D50 Illuminant, 2 degree observer

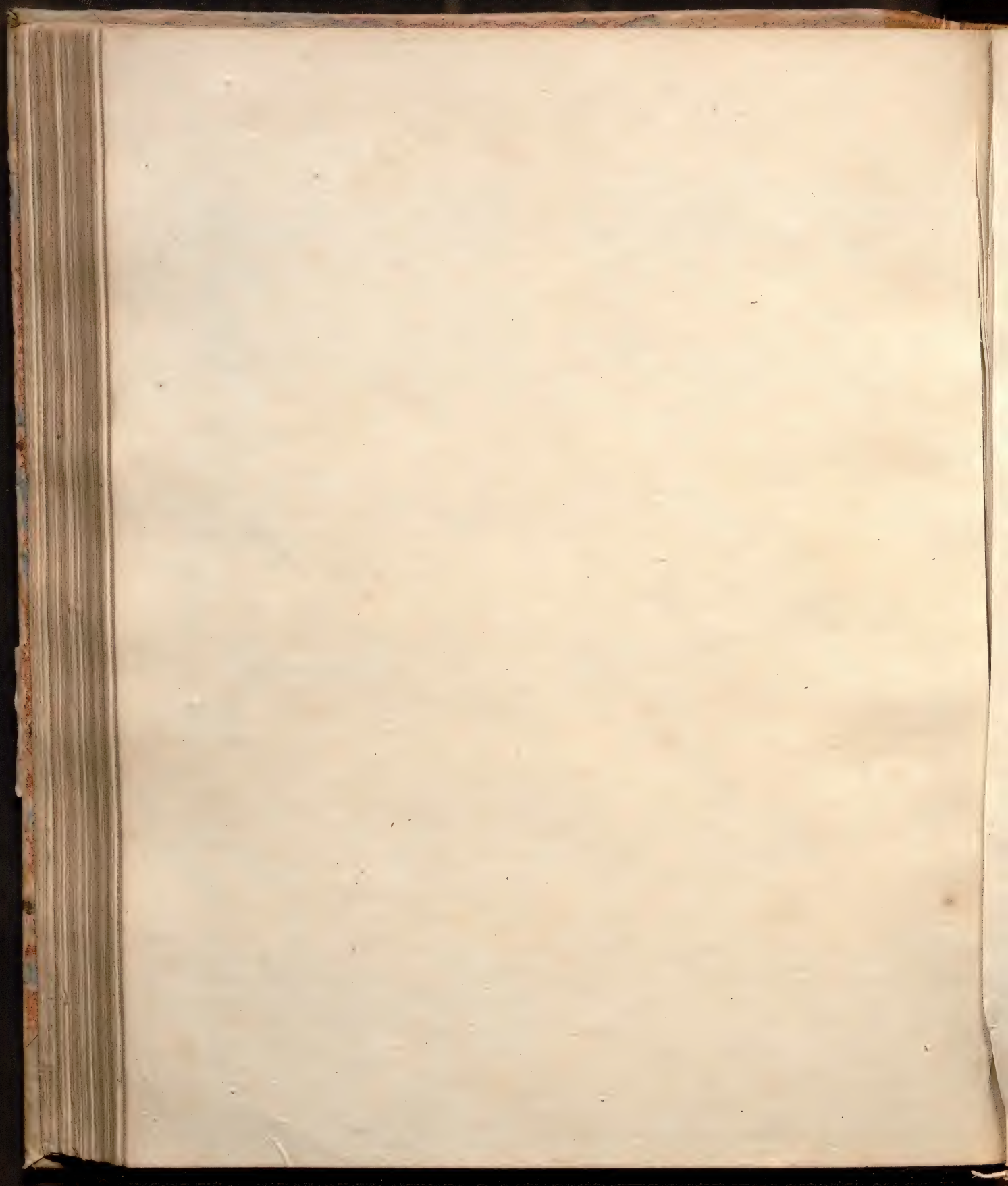
Density

Golden Thread

Patch	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	22.29	22.85	-24.49	-0.35	59.60	46.07	16.51	1.13	0.23	0.21	0.43	0.28	0.19

Patch	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

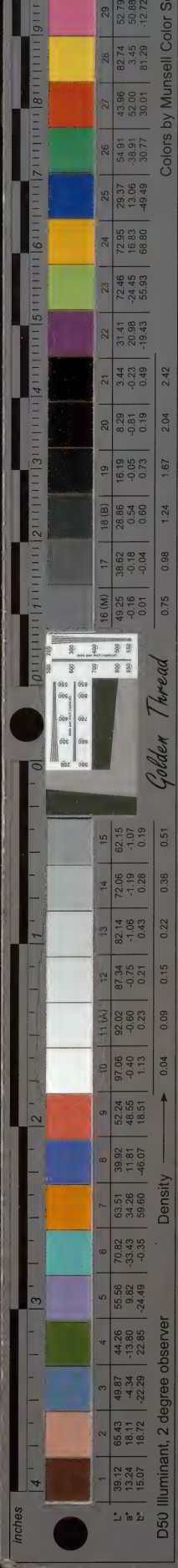
Colors by Munsell Color Services Lab





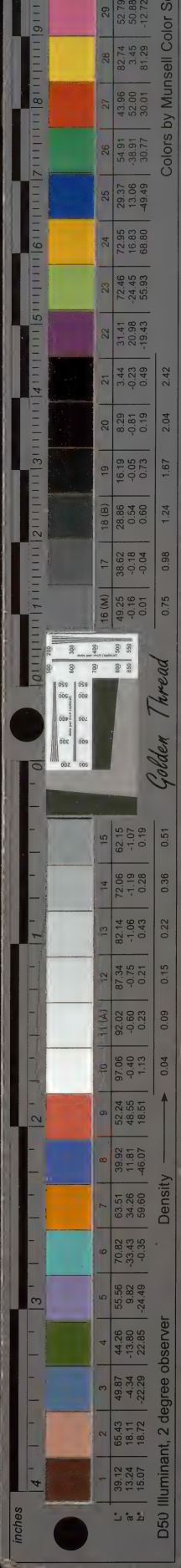
Handwritten text in cursive script, possibly a signature or date, located on the right edge of the page.

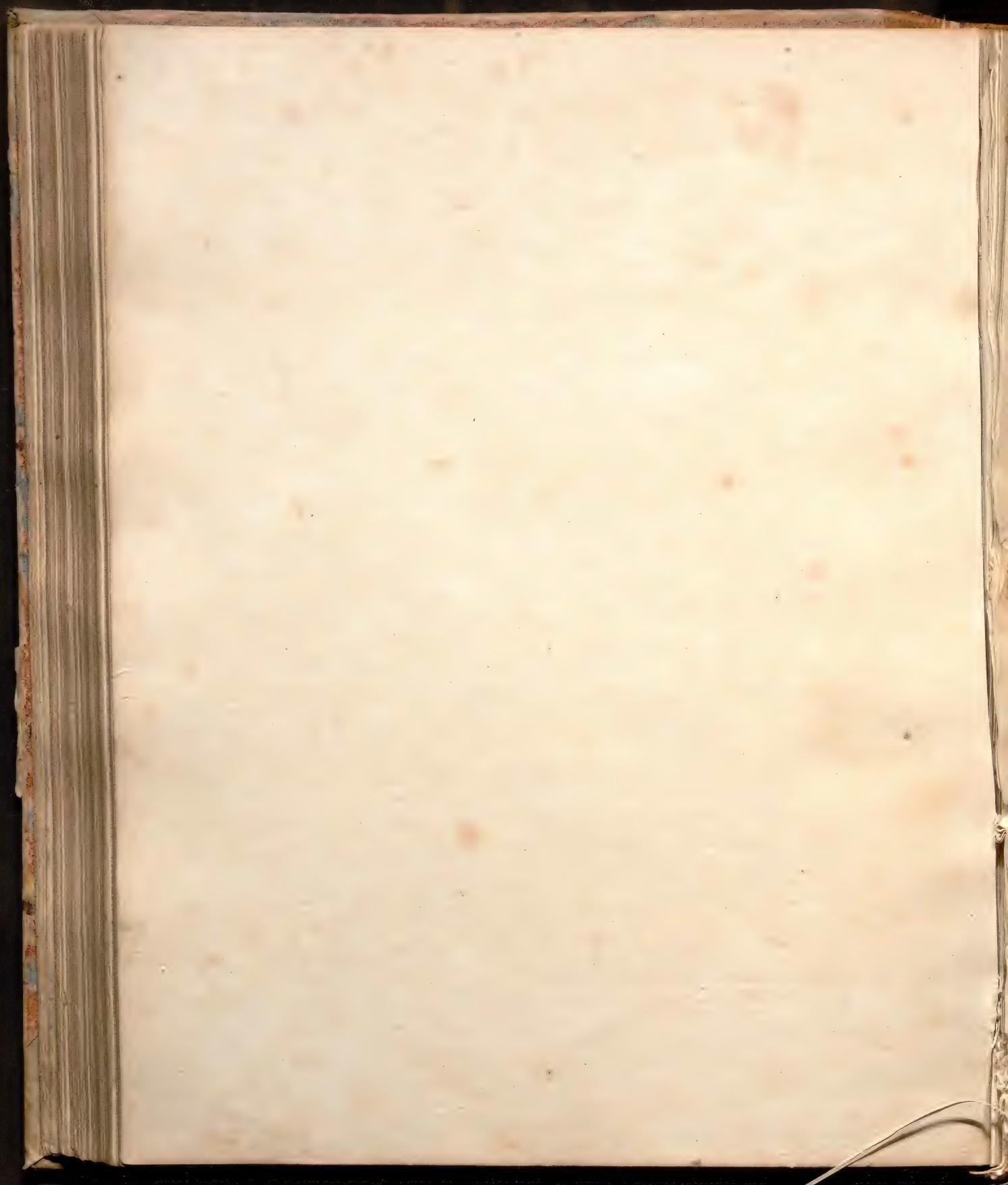
Handwritten text in cursive script, possibly a signature or date, located on the right edge of the page.



Golden Thread







Recd 7 Dec. 24. 1806 of Thomas brother
 Two thousand Dollars being the amount of
 a legacy left by James Logan to his sister
 John Logan now the wife of Neil McCall
 & received by virtue of a power of attorney to
 me, now delivered to the Thomas brother dated
 July 14 last in the presence of some date from
 Cash \$750 — or Jan. 1807. Not full
 2000 Dollars

Gabrielton

Recd 9 Dec. 6. 1806 of Thomas brother
 Eight hundred Dollars 12/100 in full to send against
 James Logan deceased

Johnston



Rec'd 11 Mo. 13. 1865 of Thomas Barker, two
 thousand Dollars, being a full for a Legacy
 left to my wife, Sarah Logan by her Brother
 James Logan deceased
 Paid on Bank 1983 2011
 6 Silver Shovels 14
 3 2000 00

James Barker

Rec'd 11 Mo. 19. 1865 of Thomas Barker, two
 thousand 4/5 in full for our debt against James
 Logan deceased. In full there
 for 6.4.5 for 1000 00

Thomas Barker

Rec'd 5 Mo. 14. 1866 of Thomas Barker
 one thousand & seventy seven pounds ten shillings
 being 340 Dollars for James Barker's Order on
 him in favour of Allan Gibson & Anderson by
 him to me, being for so much received in full
 against the said Logan by Robert Macintosh
 for which have signed two Receipts

£ 127.10 —
 Bank 340 00

James Barker
 The above does not concern J. Logan's Estate, but is
 charged to the said Logan in my Book

Jay & Co. Auctioneers
 New York
 At the request of the
 Merchants of New York
 City

Henry Bryant
 Samuel Rogers

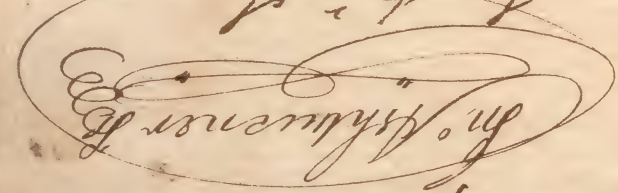
1805
 To the 19th of June 1805
 the sum of \$2225

Received of the Hon. Secy. of the
 Treasury the sum of \$2225

for the year 1804. In & Receipt
 the said Bond
 \$85.4.4



Received July 20th 1805 of Thomas Fisher -
 one of the Executors to the Estate of James Logan
 the sum of thirty two dollars $\frac{75}{100}$ in full of pay of
 advance which he has against said estate.
 For Money due
 \$ 32 $\frac{75}{100}$


 In Testimony Whereof

1805
 7th 15 Paid J. Logan for the
 Clerk of the Court, J. W. Ashcraft to her
 £ 7. 10 -
 £ 1000 - Receipt - 20th 9th

Received 11th 2. 1805 of Thomas Fisher
 one of the Executors of James Logan deceased
 the sum of one hundred Dollars being an account
 of a legacy left to Maria Wife of J. M. Woodson
 by her Brother the said James Logan for
 the Receipt of which I now deliver a Receipt
 Attest my duty executed by the said J. M. Woodson
 of Mary Co. W. Va. dated the 25 day of October
 1805, received by them the same day before J. M. Woodson
 & Andrew Rogers, J. C. Ashcraft by them before William
 Miller Clerk of said Court the same day



Color calibration chart and ruler.

Golden Thread

D50 Illuminant, 2 degree observer

Density →

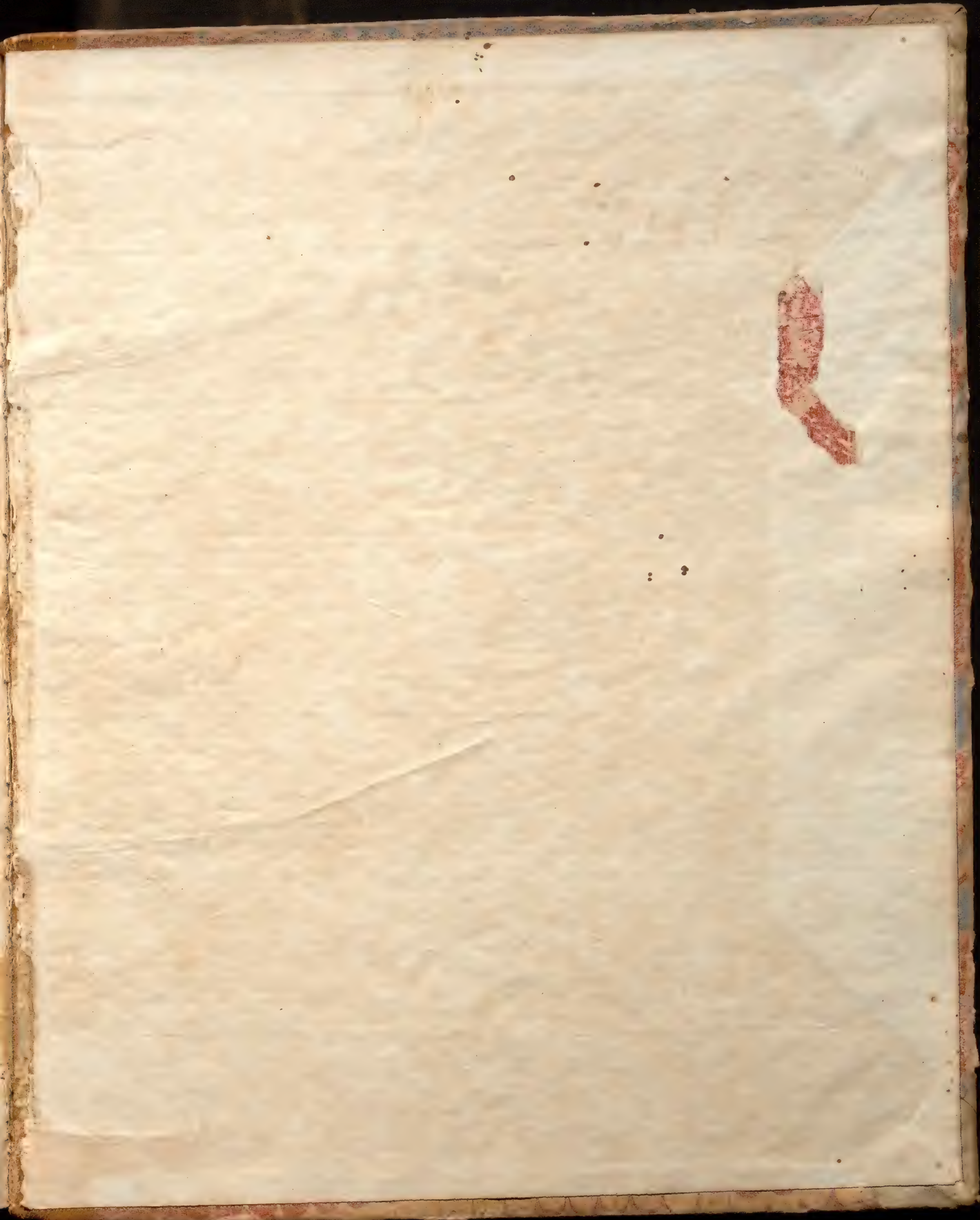
	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07
b*	15.07	18.72	-22.29	22.85	-24.49	-0.35	59.60	-46.07	18.51	1.13	0.23	0.21	0.43	0.28	0.19

0 1 2 3 4 inches

	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72

Colors by Munsell Color Services Lab





inches

0 1 2 3 4

16 (M) 17 18 (B) 19 20 21 22 23 24 25 26 27 28 29

	1	2	3	4	5	6	7	8	9	10	11 (A)	12	13	14	15	
L*	39.12	65.43	49.87	44.26	55.56	70.82	63.51	39.92	52.24	97.06	92.02	87.34	82.14	72.05	62.15	
a*	13.24	18.11	-4.34	-13.80	9.82	-33.43	34.26	11.81	48.55	-0.40	-0.60	-0.75	-1.06	-1.19	-1.07	
b*	15.07	18.72	-22.29	22.85	-24.49	59.60	-46.07	18.51	13.06	1.13	0.23	0.21	0.43	0.28	0.19	
Density											0.04	0.09	0.15	0.22	0.36	0.51

D50 Illuminant, 2 degree observer

Golden Thread

Colors by Munsell Color Services

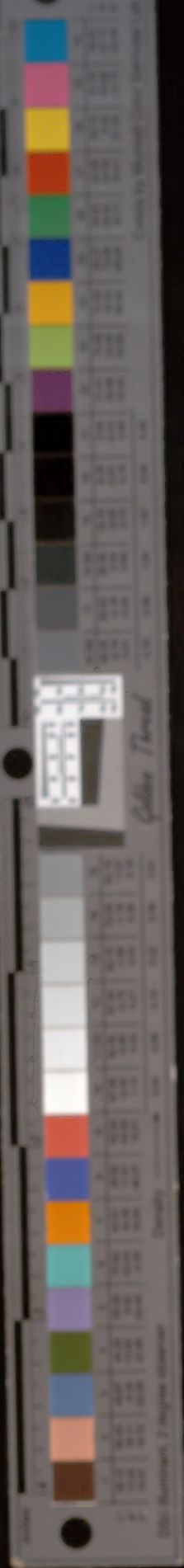
	16 (M)	17	18 (B)	19	20	21	22	23	24	25	26	27	28	29
L*	49.25	38.62	28.86	16.19	8.29	3.44	31.41	72.46	72.95	29.37	54.91	43.96	82.74	52.79
a*	-0.16	-0.18	0.54	-0.05	-0.81	-0.23	20.98	-24.45	16.83	13.06	-38.91	52.00	3.45	50.88
b*	0.01	-0.04	0.60	0.73	0.19	0.49	-19.43	55.93	68.80	-49.49	30.77	30.01	81.29	-12.72





Vol. 1 of James Logan's
manuscripts
Vol. 2 of James Logan's
manuscripts

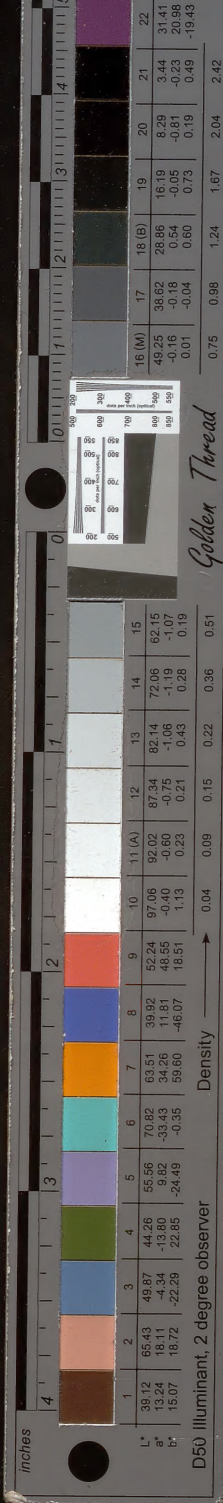
ESTATE of
JAMES LOGAN



L. Poulsons Aut. Ps
with R. P. & in 1807
Alas
with Notes on the same
by R. P. —

Likewise R. P.'s Notes on
L. P.'s former Aut. Ps

Likewise a summary
of Br. John's Aut.



It is therefore proposed to offer the same to the
 entire Management & ask disposal of some stock-
 sales, in such manner as he alone shall think
 best, & especially most conducive to the mutual
 interest & advantage of A. S. Davis & Co. & Co.

in the, and disposed of in the opinion of the
 Committee, N. Parker, &c.

